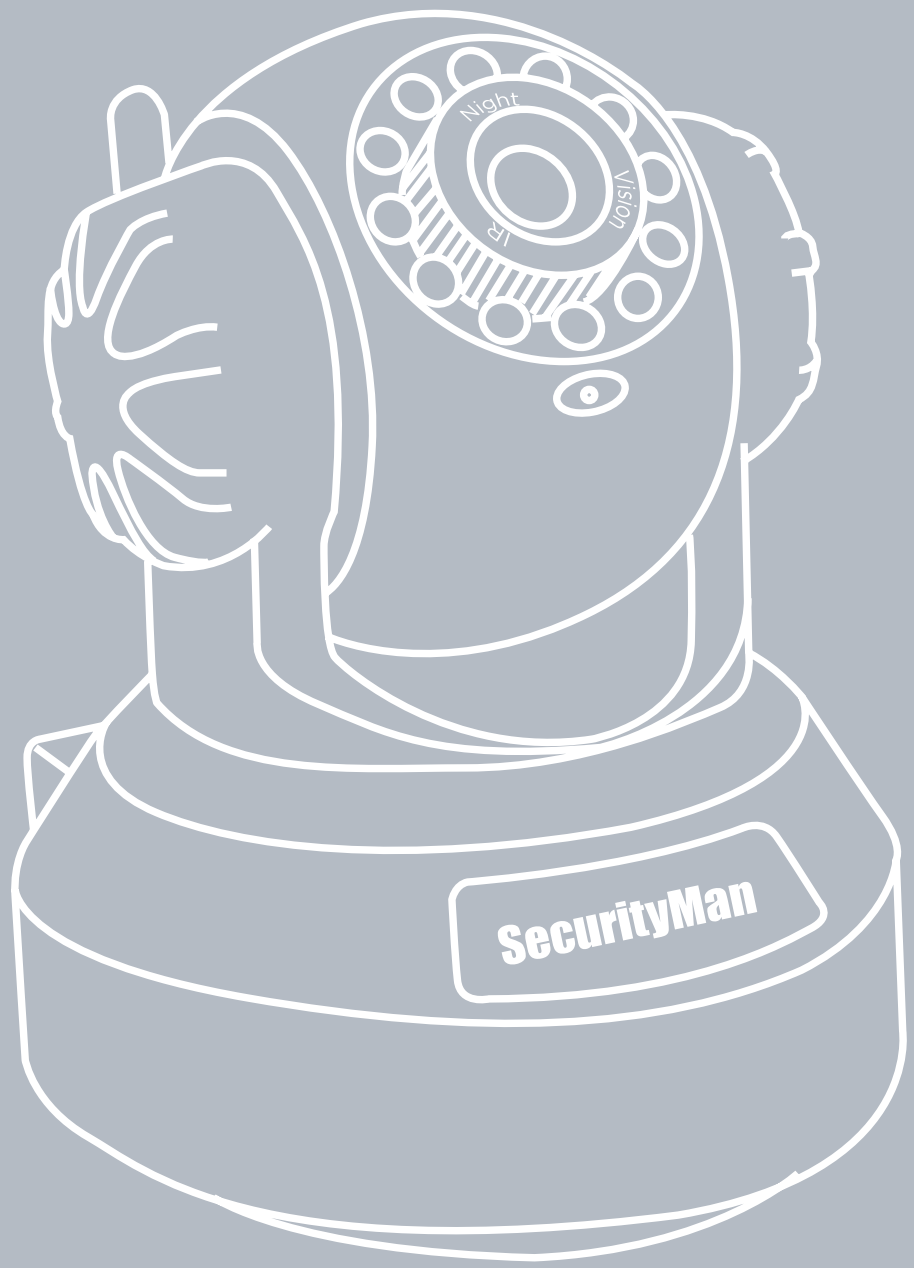
SecurityMan®



IPcam-SD User's Manual

Remote Monitoring Security Camera for PC, Mac, and Smartphone

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FCC Information

Notes on FCC's "Consistent Statement of Information" This product meet the requirements specified in Part 15 of FCC Regulation. Operation rests with the following two conditions:

(1) The equipment should not cause any harmful interference.

(2) The equipment must receive and process any interference, including any possible interference caused by operation mistakes.

After testing the product, we confirm that the camera complies with the provision for class C digital equipment in the 15th part in FCC regulations; and the receiver complies with the limitations for class B digital equipment in Part 15 of FCC regulation. The product generates, applies and emits radio waves. It might cause harmful interferences to wireless communication if not be installed and used following the description of the manual.

The product may cause interference in residential area, and the customer should take remedies to eliminate the interference on their own costs.
If the product causes any harmful interference to wireless equipment or disturbs the receiving of TV signals (it can be identified by turning on and off the product), you can solve the trouble by following methods:

- Readjust the product or put it in another place.
- Extend the distance between the equipment interfered and the product.
- Refer to dealers or experienced radio electrician for help.

Warranty

SecurityMan Inc warrants that this product will be free from defects in title, materials and manufacturing workmanship for one year or otherwise specified on the product packaging. This limited warranty shall commence from the date of purchase. SecurityMan products warranty is not transferable and is limited to the original purchaser. If the product is found to be defective then, as your sole remedy and as the manufacturer's only obligation, SecurityMan will repair or replace the product. This warranty shall not apply to products that have been subjected to abuse, misuse, abnormal electrical or environmental conditions, normal wear and tear, or any condition other than what can be considered normal use.

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Introduction

Stay connected wherever you go with the SecurityMan **IPcam-SD**.
You can remotely access your **IPcam-SD** from anywhere in the world; monitor your home or business through a secure and password protected connection from your PC, Mac, iPhone, iPad, iPod Touch, or any compatible Smartphone. Simply connect the **IPcam-SD** to a router over wireless network (Wi-Fi) or wired Ethernet, install the software on your PC, or register online with our P2P server made easy for remote access and configuration free, and download the free App for your Smartphone. Then, remote video surveillance is right at your finger tips.

Features

- Do-it-yourself (D.I.Y) easy to setup and use IP camera
- Advanced H.264 video compression technology for the best video streaming and longer recording time
- Remote monitoring over the Internet from a PC (IE) or Mac (Safari)
- P2P (point-to-point) service for easy remote access without networking knowledge or configuration
- Supports Smartphone surveillance (via compatible free Apps)
- Supports remote PC recording and local recording to Micro SD (up to 32GB)
- 2-in-1 design: Wireless Wi-Fi or Wired Ethernet network connection
- Remote PTZ control, playback, and backup
- Easy to integrate with wired alarm input sensor(s) and alarm output devices
- Supports VMD (video motion detection), alarm email, and local alarm outputs (external siren or spot light)

- Motion detection recording, manual recording or schedule recording
- Supports 2-way audio communication between local and remote sites
- Nigh vision (B/W) up to 50ft
- Crystal clear video quality, VGA (640x480) at 30fps (frame per second)
- CMS (central management) software for remote access/control, record/playback, and monitor up to 64 IP cameras
- Supports up to 8 login users at the same time

Important

This guide provides important information on the use and operation of your **IPcam-SD**. Please read all the information carefully prior to using the product for the best performance and to prevent any damage/injuries or misuse of the device(s). Customers are entitled to have read through this complete user's manual before using **IPcam-SD**. Any unapproved changes or modifications will void your warranty. Please ensure to have a complete understanding of the following restrictions.

Restrictions

When using this product, the safety precautions below must be taken to avoid possible legal liabilities and damages. Retain and follow all product safety and operating instructions. Observe all warnings in the product operating instructions. To reduce the risk of bodily injury, electric shock, fire and damage to the equipment, observe the following precautions.

PLEASE NOTE that under certain circumstances, audio/video recording may be PROHIBITED by law. This device should be used only in compliance with all applicable federal, state and local statutes.

- **DO NOT** use this product near water, for example, near a bathtub,

washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool.

- **DO NOT** place this product on an unstable cart, stand, or table. The product may fall, causing serious damage to the product.
- **DO NOT** disassemble this product. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electric shock during subsequent use.
- **DO NOT** place this product too close to medical equipment.
  1. This product may cause medical equipment to malfunction
  2. Place the product at least 22cm from the heart pacemaker. Radio waves can potentially influence the pacemaker and can lead to respiratory disturbance.
- **DO NOT** use this product to infringe on one's privacy, spying intercepting and related activities are illegal and punishable by law. Monitoring one's private activities without consent is illegal and this product is not designed or manufactured for these purposes.
- **DO NOT** use this product to carry out any illegal activities such as sneak preview, etc. SecurityMan shall not be responsible for any consequences of illegal conducts made by users.
- **DO NOT** put the plastic packaging bags in reach of children or babies. Plastic bags can create a suffocation hazard when placed over the nose and mouth.
- **DO NOT** plug the AC adapter into the outlet in improper situations.
  - Plugging in an AC adapter with wet hands might cause electric shock.
  - Plugging in the AC adapter unsteadily might cause fire or electric shock.
- **DO NOT** cover the AC adapter when it is connected to an outlet, place the adapter near heaters, or put it on the floor which is equipped with a heater. The above mentioned operation might cause fire or incidents.

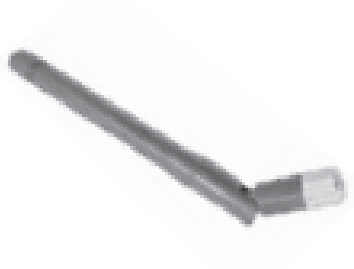
Conditions

Please read the following messages to make sure your working environment is suitable.

- Please read the following messages to make sure your working environment is suitable.
- The temperature should be kept between –10˚C and 50˚C (14˚F to 122˚F). The relative humidity should be kept between 20% and 80%.
- Avoid putting the product in places where temperature or humidity may change rapidly.
- Keep it dry, dustless and avoid lens exposure in direct sunlight.
- Keep product away from heat sources such as electric heaters.
- Do not use the camera near harmful chemicals.
- Do not place product near any strong magnetic objects
- It might influence the normal operation of the product if used at the fringe range of normal temperature. Please turn off the power when not in use.
- Do not disassemble the product.
- Do not shake or strike the product.
- Please obey the local government’s environment protection policy.

Package Contents

IPcam-SD



Antenna

Ceiling/Wall mount bracket (with screws)

I/O terminal (1 IN, 2 OUT)

CD (PC software and manual)

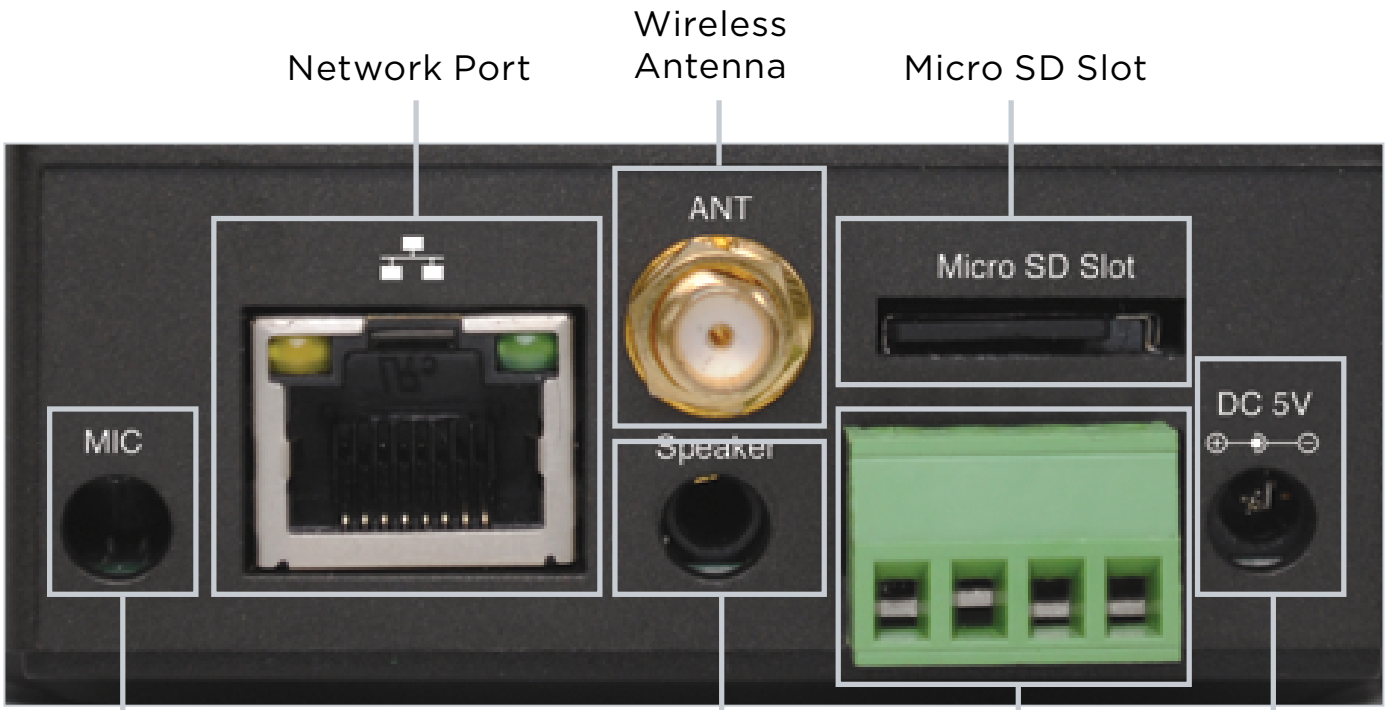
Power adapter

Quick Start Guide

User's Manual

**SD card not included.

Product Basics

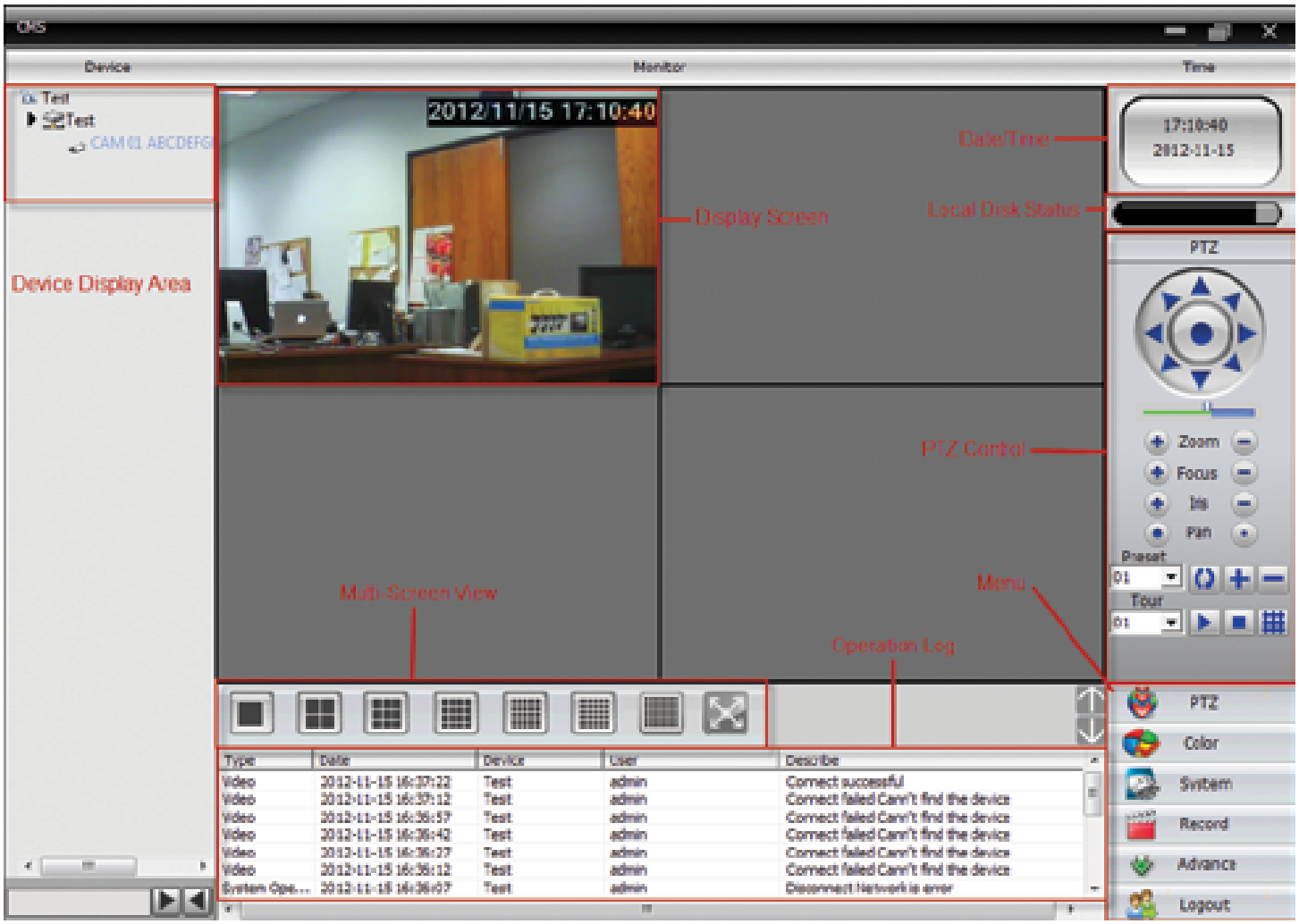


CMS Software

System Requirement

CPU: Pentium 4 2.0GHz or greater
Memory: 2GB
Video Card: ATI 9800 equivalent or better Network card
Operation System: Windows XP, Vista, 7

CMS Main Menu



Device Display Area
The “Device” lists all the devices (IPCam-SD) that are setup to be accessible using the CMS software to remotely establish connection for live monitoring. Users can choose to preview different cameras setup in different locations just by clicking on the list of devices (IPCam-SD) to monitor.
NOTE: Add up to 81 devices (IPCam-SD) to the CMS software.

Display Screen
The “Monitor” or Display Screen, displays the live feed of the camera when it is successfully connected by selecting from the device list (Device Display Area).

Time
Displays the IPCam-SD’s current date and time. Please make sure this is current and up to date before initiating the recording.

Local Disk Status
Represents the total disk space that is available on the computer for recording.

PTZ
Controls the IPcam-SD pan (moving the camera left and right), tilt (tilting the camera up and down), digital-zoom (picture enlargement in live view), focus (to manually focus the camera if in case it is out of focus), and Iris (light sensitivity manual adjustments) features.

Preset
Setup camera preset positions of the camera viewing angles. After the presets are setup, select the preset number to advance the camera to that preset position.

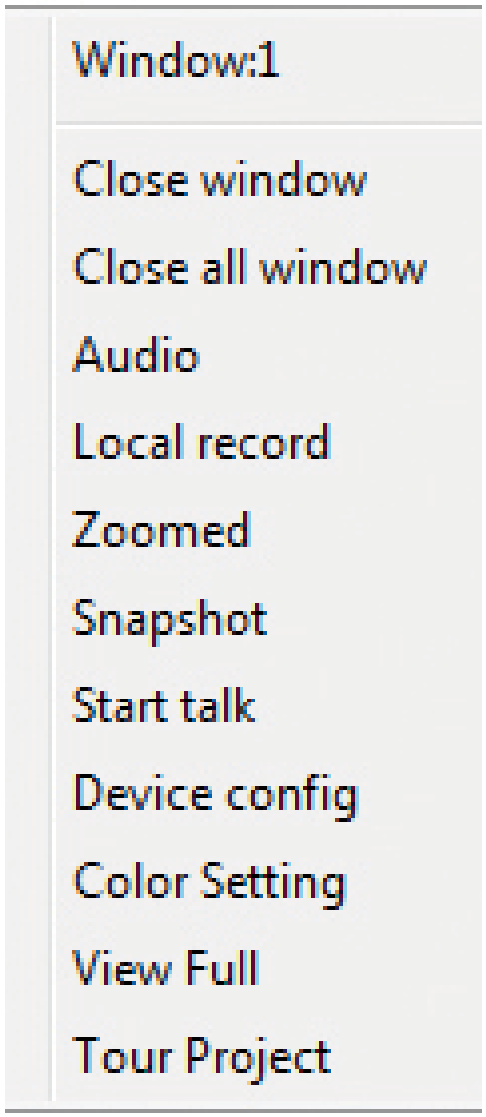
Tour
Tour auto dwell the selected preset position(s) of the camera with adjustable interval value.

Menu
Users can access configure and playback options related to the CMS software and IPcam-SD.

Operation log
Displays all operation information.

Multi-Screen View
Users can view multiple cameras on the scam screen (up to 81).

Right-click menu
At Display Screen, users can right-click on camera image to access the menu.



Close window: close the current screen.

Close all window: close all the current screens.

Audio: enables audio from the preset screens.

Local record: Allows you to record videos to local computer.

Snapshot: capture pictures from channel selected and saves it to local computer.

Start talk: enables 2-way audio.

Device config: Opens the device configuration interface.

Color Setting: adjust the devices color setting.

View Full: expands the CMS to full screen.

Tour Project: Start the tour project of current camera.

PTZ Control

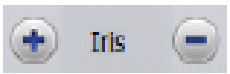
When using the CMS software to access IPcam-SD, users can use the PTZ controls to control the movement: turn up, down, left and right, stop running, adjust turning speed, zoom, focus and iris, preset and tour configuration. When users enable touring function, the speed cameras will tour according to preset.

: Turn and stop turning.

: Drag the bar left or right to adjust speed rate.

: Click + to zoom in; click – to zoom out.

: Click + to focus in; click – to focus out.



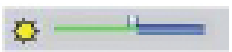
: Click + to iris in; click – to iris out.

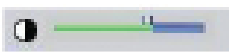
: Start/stop auto pan IPCAM-SD.

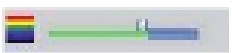
: Add, delete, and configure preset points.

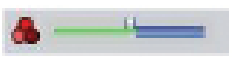
: Add delete, and configure tour with group of preset points.

Color


: Move the bar to adjust brightness.

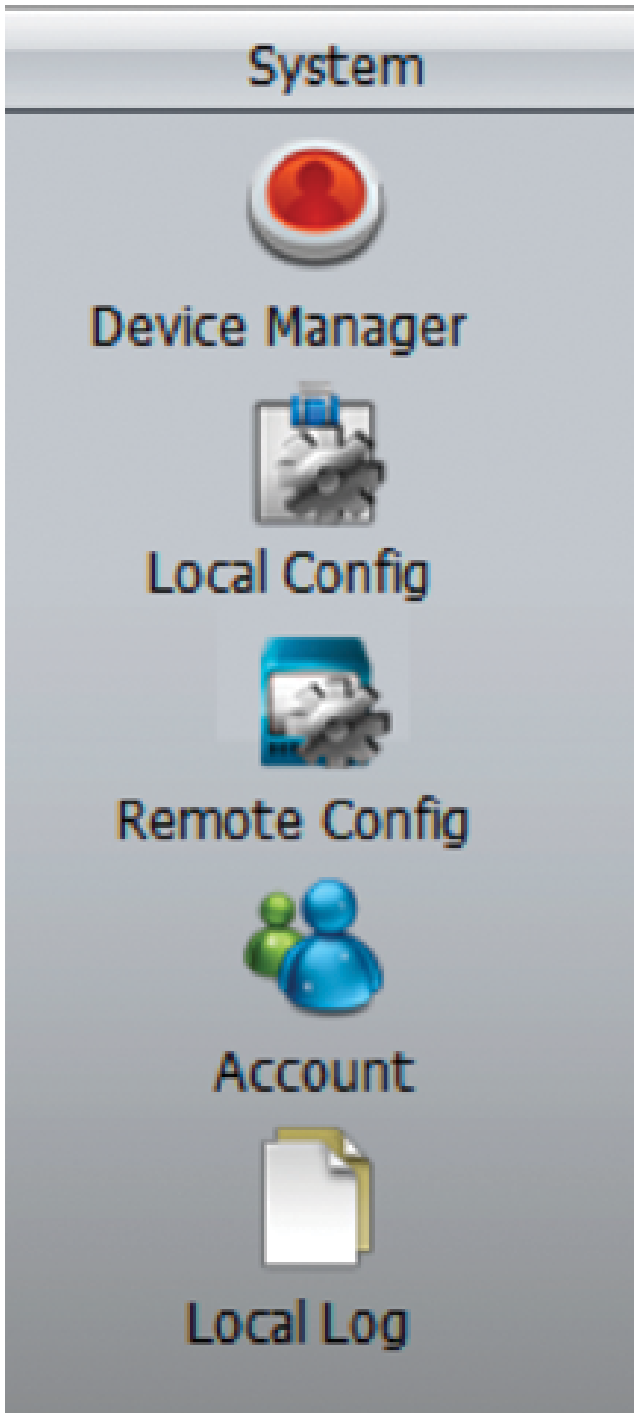

: Move the bar to adjust contrast.


: Move the bar to adjust saturation.


: Move the bar to adjust hue.

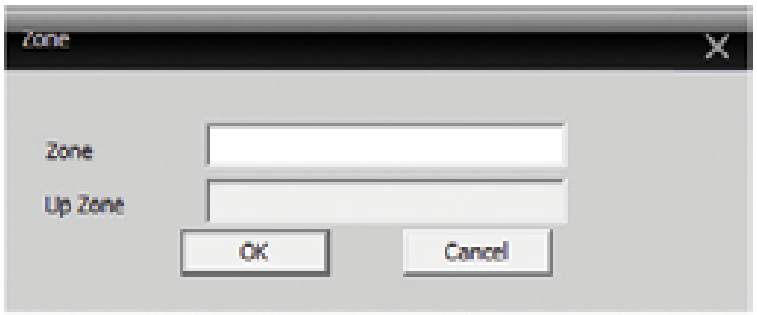
System

System consists of “Device Manager”, “Local Confg”, “Remote Config”, “Account”, and “Local Log”. Users can configure local computer settings and SD card settings, user accounts, etc.

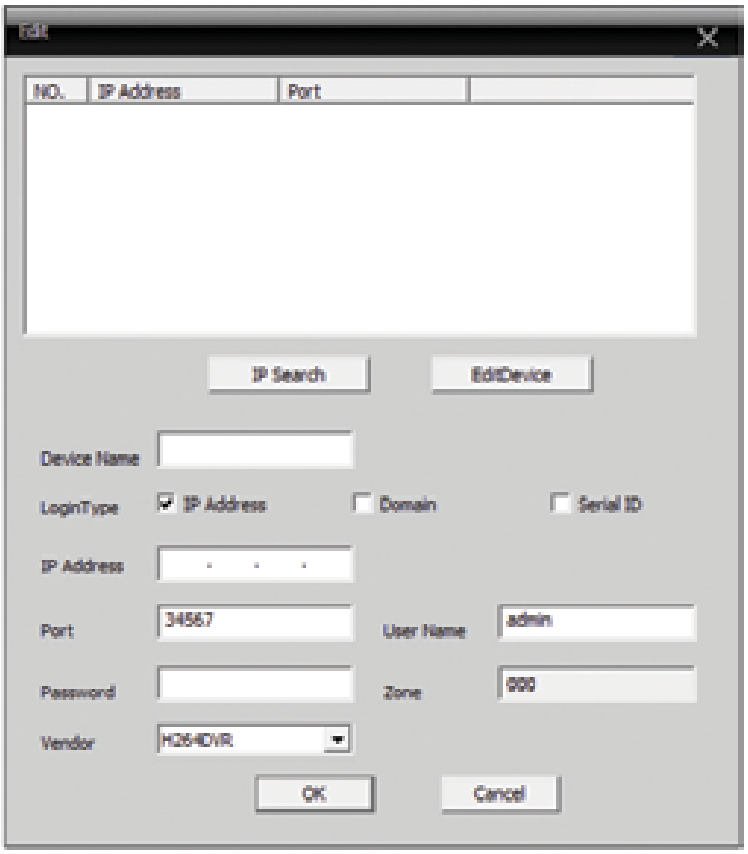


Device Manager

Click to add zone, enter anything for “Zone”. After you are done, click “OK”



Click on the “Zone” you created in the previous step, and then click to add a device.



Device Name: Enter device name

Domain: Domain name by external network

Serial ID: Enter the serial number of IPCAM-SD

IP address: IP address of IPCAM-SD

Port: the TCP port

User Name: enter the username for the device.

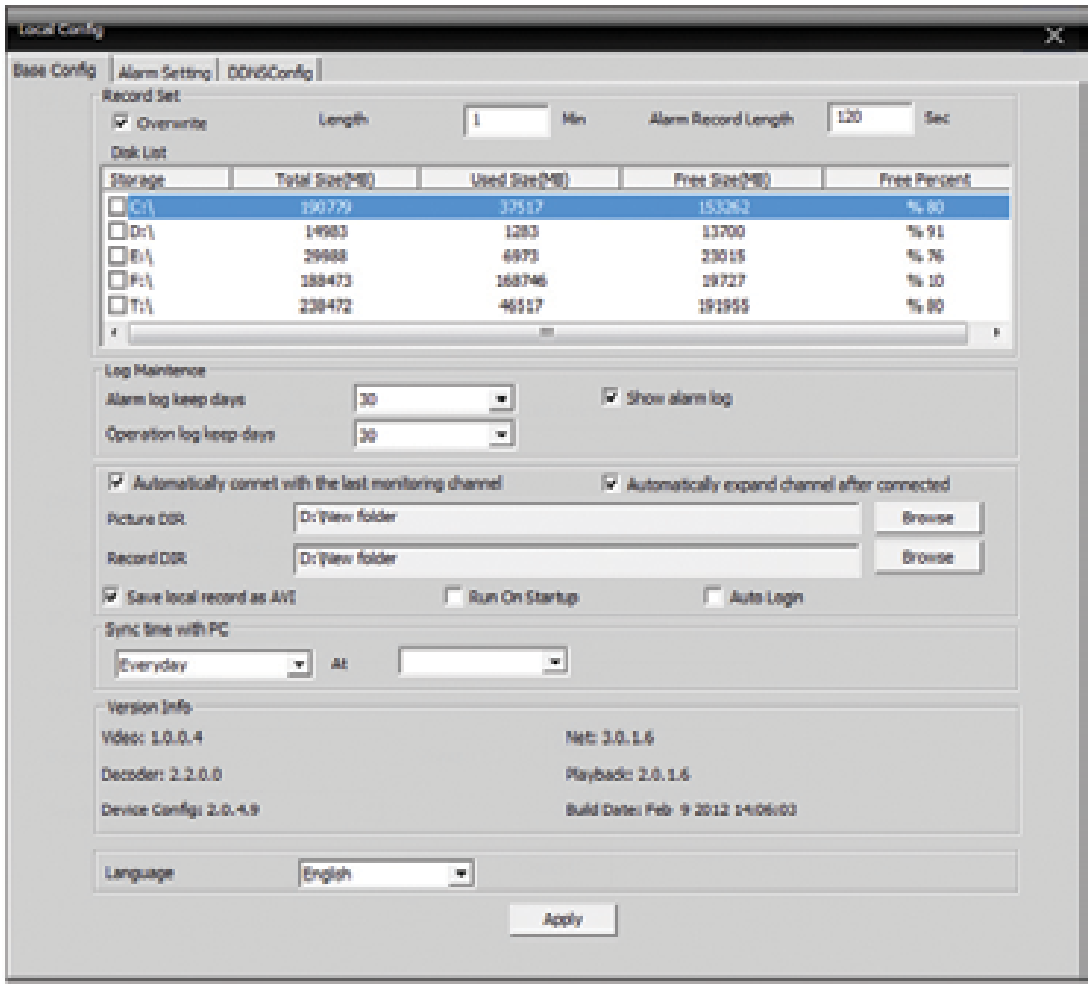
Password: enter the password of the device

Click “OK” to confirm the changes and exit back to Device Manager.

Local Config

Local Config consists of three categories: “Base Config”, “Alarm Setting”, and “DDNS Config”. Local Config modifies the changes on local computer.

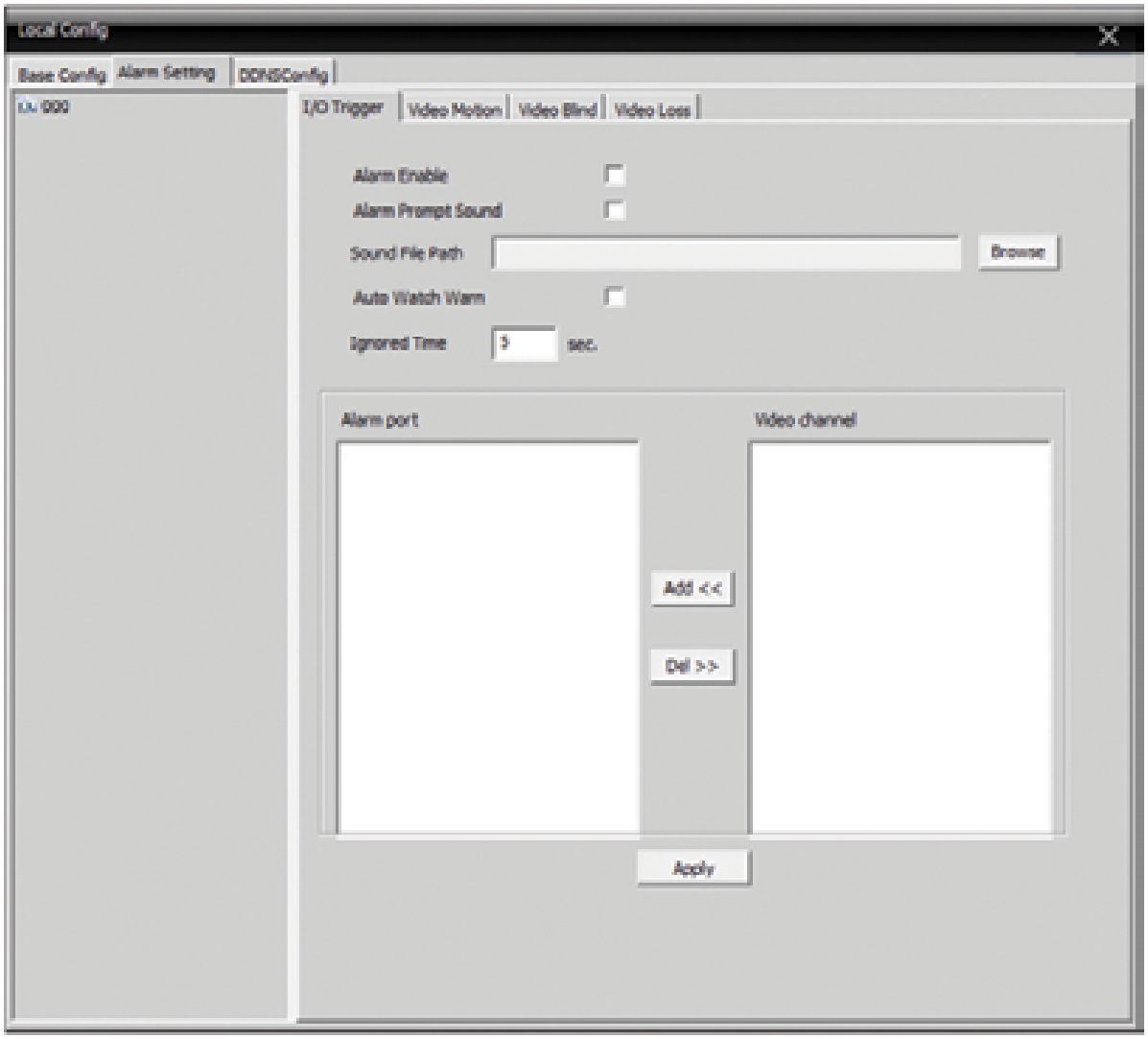
Base Config



Overwrite: Enables and disable the overwrite feature.
Length: Allows users to set the record time/duration of recording file(1~120 mins)
Disk List: Lists all the disks/partitions on local computer.
Log Maintenance: Allows users to set how long to keep Alarm and Operation log.
Picture DIR: Allows users to set the location for save snapshots.
Record DIR: Allows users to set the location for saved recordings.
Sync time with PC: synchronizes the time on the IPcam-SD with the current time on your computer.
Version Info: Displays basic CMS’s information.
Language: CMS language setting.

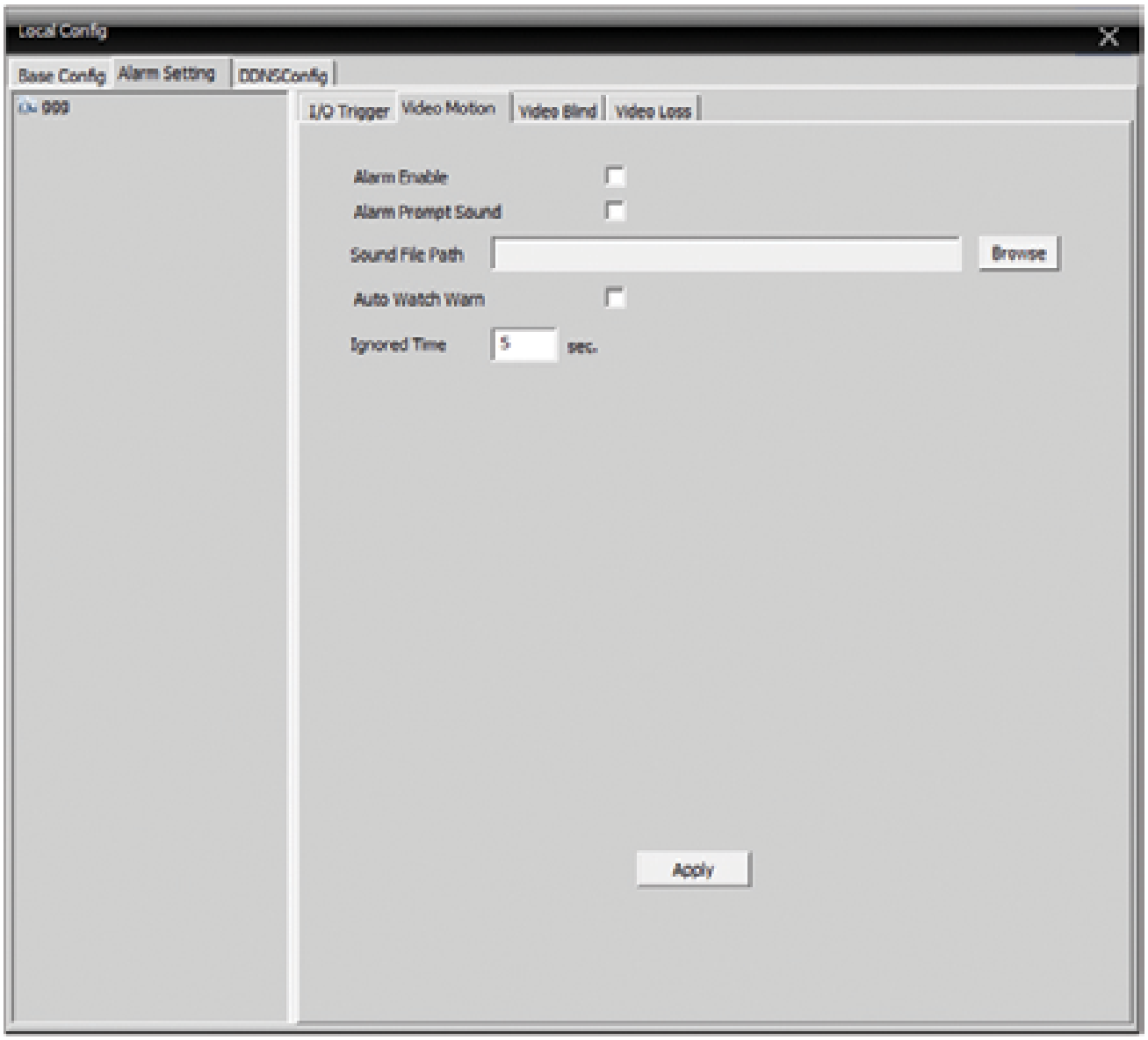
Alarm Setting
Alarm Setting consists of “I/O Trigger”, “Video Motion”, “Video Blind”, and “Video Loss”.

I/O Trigger



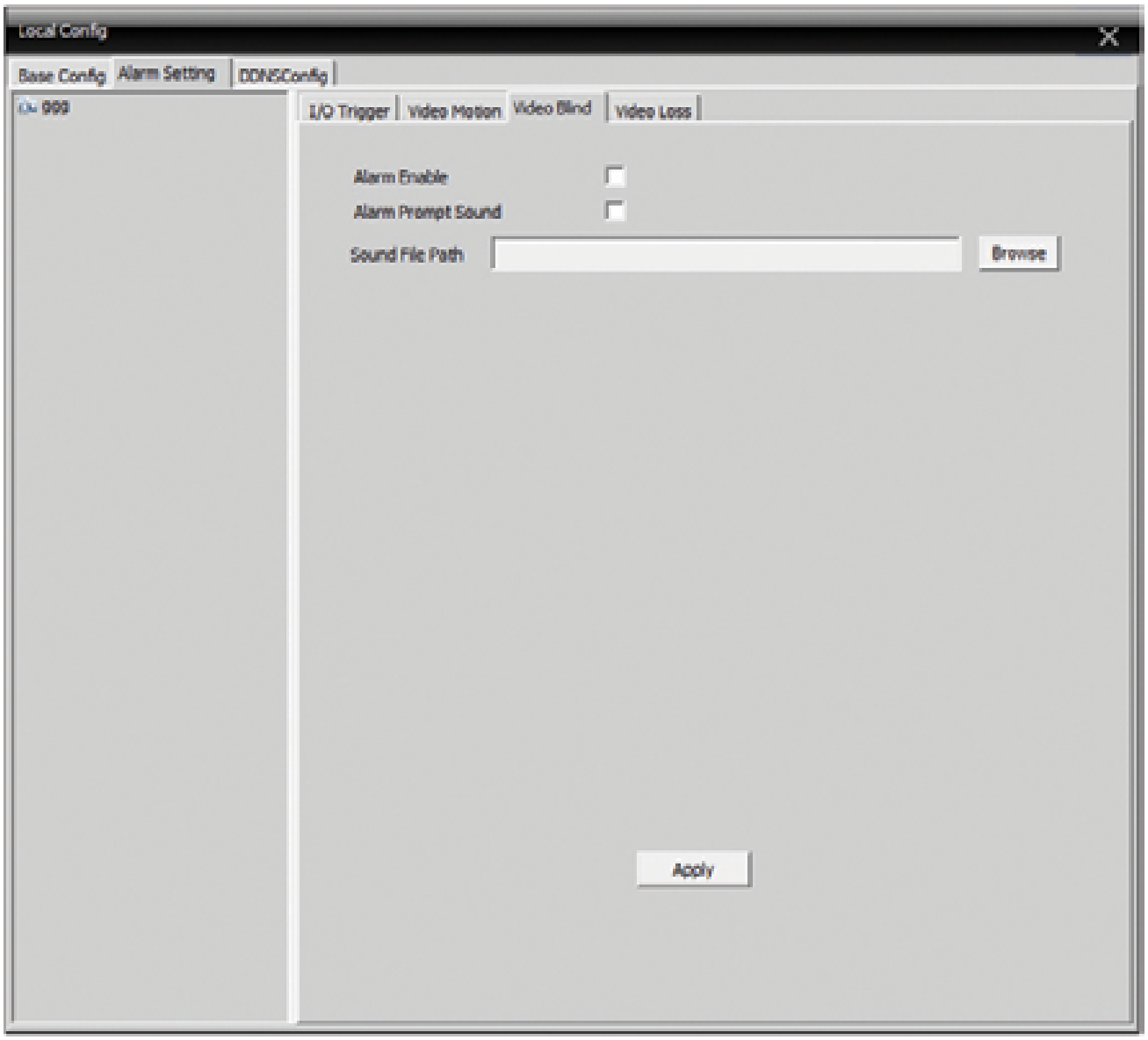
Device list: Display a list of devices that can be configured.
Alarm Enable: Enables and disables alarm feature.
Alarm Prompt Sound: Enables and disables alarm sound notifications.
Sound File Path: Allows users to browse for the path of the sound to use for alarm notifications.
Auto Watch Warn: Enables and disables the Auto Watch Warning feature.
Ignored Time: Allows users to set the ignored time between 5 to 1000.

Video Motion



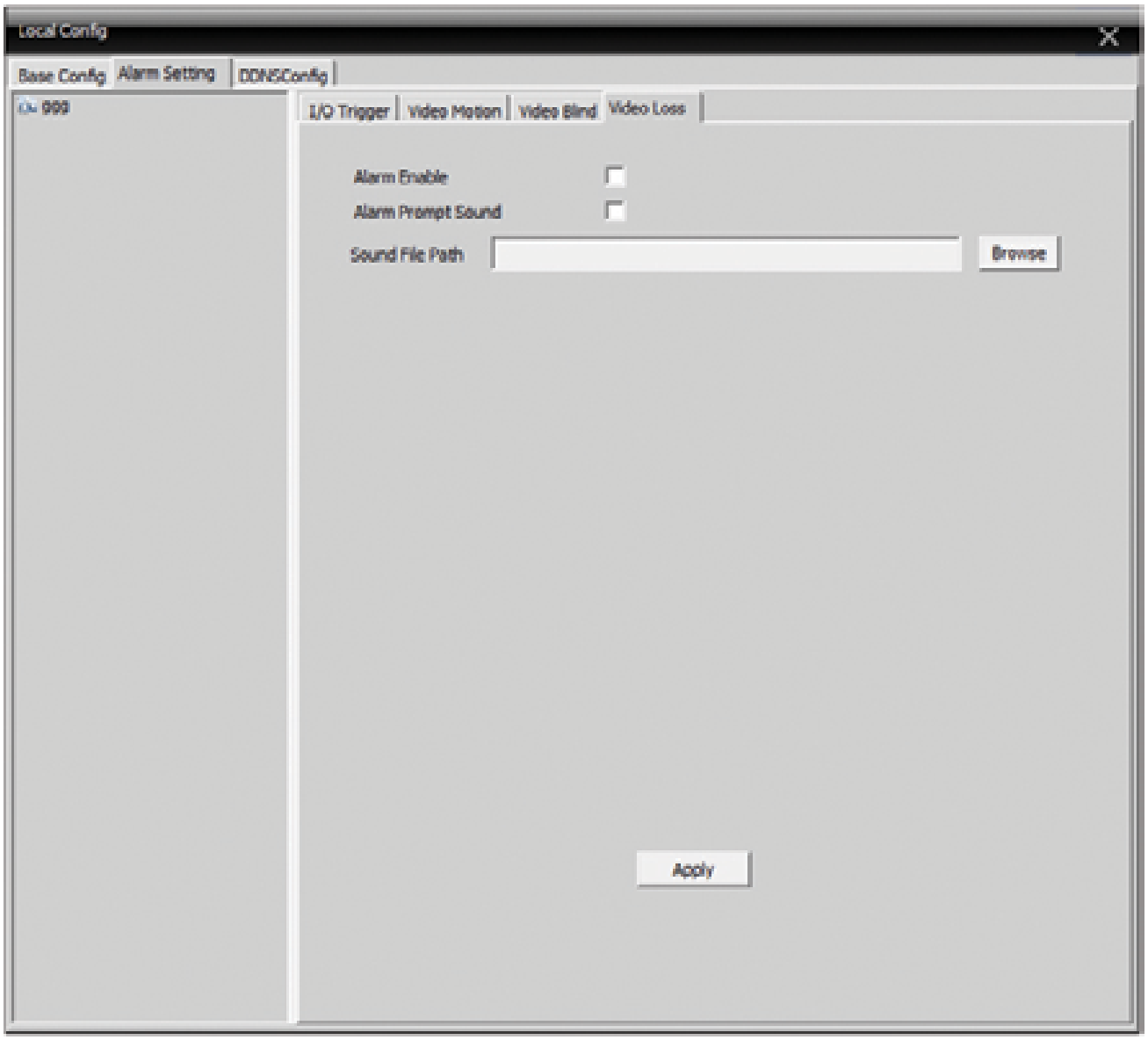
Device list: Choose device to configure the alarms
Alarm Enable: Displays a list of devices that can be configured.
Alarm Prompt Sound: Enables and disables alarm feature.
Sound File Path: Allows users to browse for the path of the sound to use for alarm notifications.
Auto Watch Warn: Enables and disables the Auto Watch Warning feature.
Ignored Time: Allows users to set the ignored time between 5 to 1000.

Video Blind



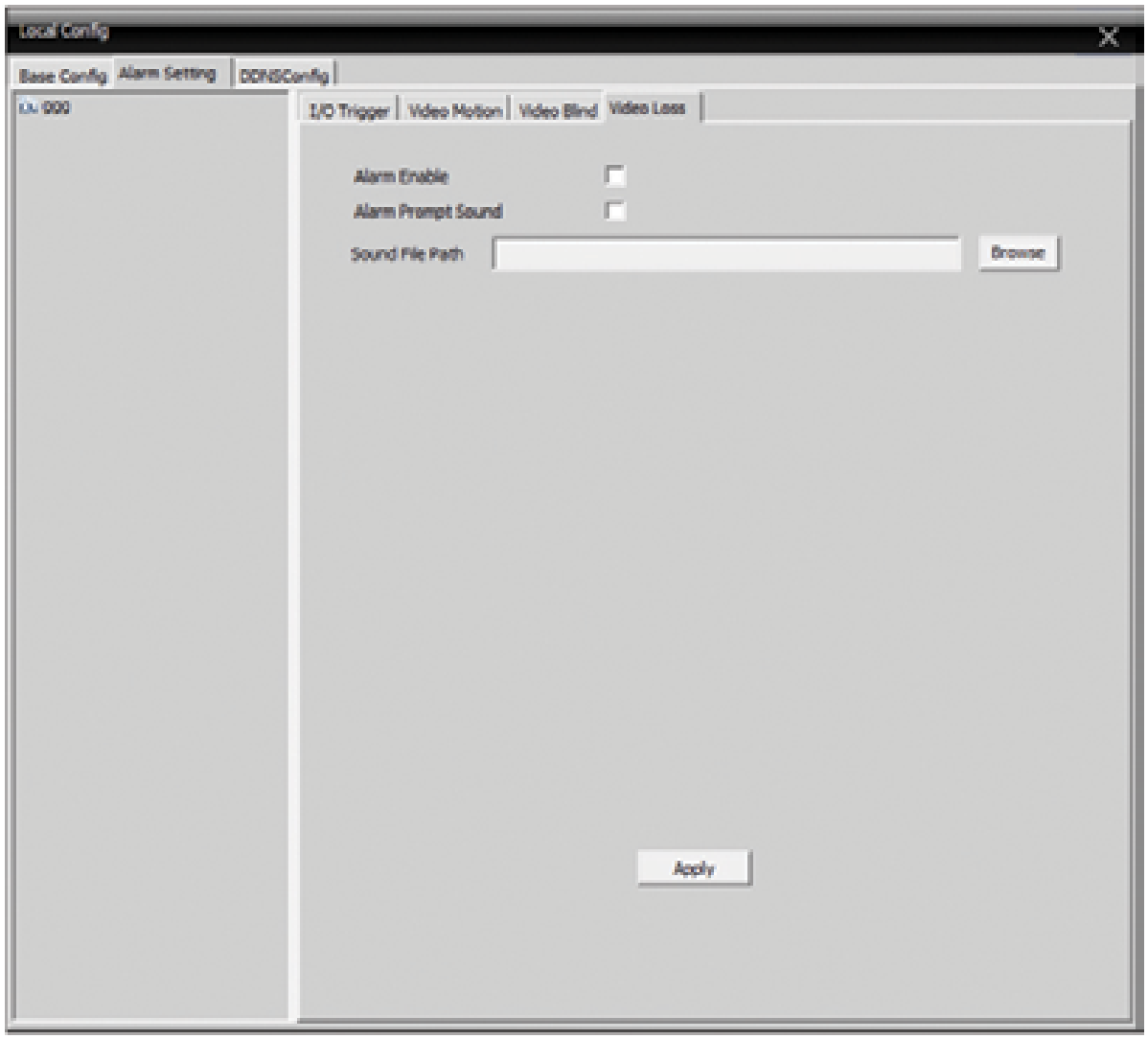
Device list: Displays a list of devices that can be configured.
Alarm Enable: Enables and disables alarm sound notifications.
Alarm Prompt Sound: Enables and disables alarm feature.
Sound File Path: Allows users to browse for the path of the sound to use for alarm notifications.

Video Loss



Device list: Displays a list of devices that can be configured.
Alarm Enable: Enables and disables alarm sound notifications.
Alarm Prompt Sound: Allows users to browse for the path of the sound to use for alarm notifications.

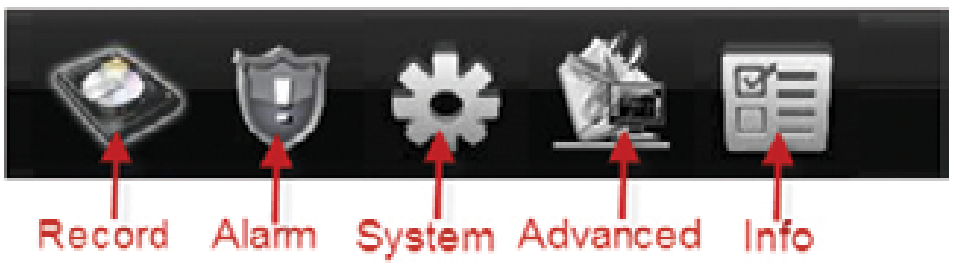
DDNS Config



Server IP: Enter the DDNS server IP address.
Port: Enter the DDNS server port.

Remote Config

Remote Config consists of six categories: “Record”, “Alarm”, “System”, “Advanced”, and “Info”. Remote Config modifies the changes in IPcam-SD.



Record: consists of two subcategories: Record and SnapShot Storage

Record: Allows users to configure the recording length, type, schedule, prerecord.

SnapShot Storage: Allows users to configure settings related to snapshots (type, schedule, etc).

Alarm: consists of six sub categories: “Video Motion”, “Video Blind”, “Video Loss”, “Alarm Input”, “Alarm Output”, and “Abnormal”.

Video Motion: Allows users to configure settings related to motion detection sensitivity, area, schedule, alarm output, record, tour, snapshot, PTZ Activation, etc.

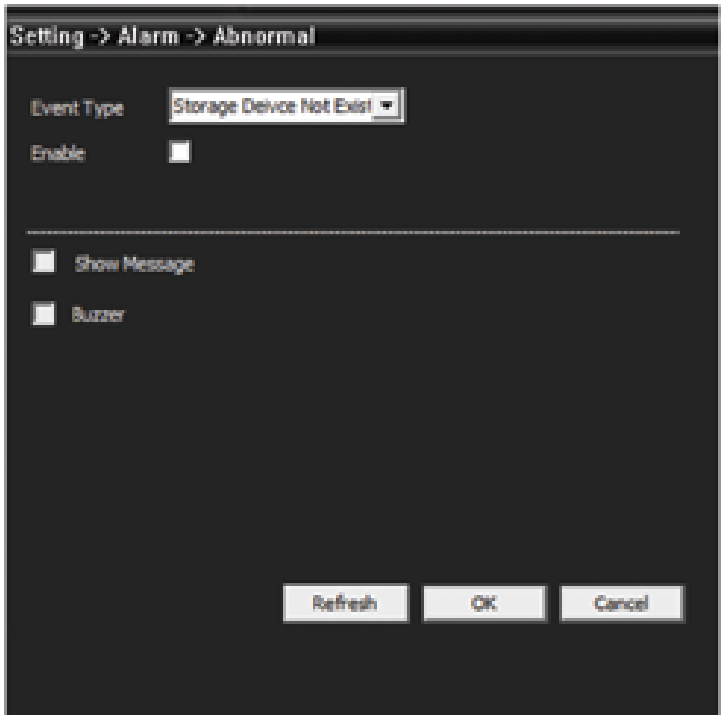
Video Blind: Allows users to configure settings related to video blind sensitivity, schedule, alarm output, record, snapshot, PTZ Activation, etc.

Video Loss: Allows users to configure settings related to video loss schedule, alarm output, record, tour, snapshot, PTZ Activation, etc.

Alarm Input: Allows users to configure settings related to alarm type, schedule, alarm output, record, snapshot, and PTZ Activation, etc.

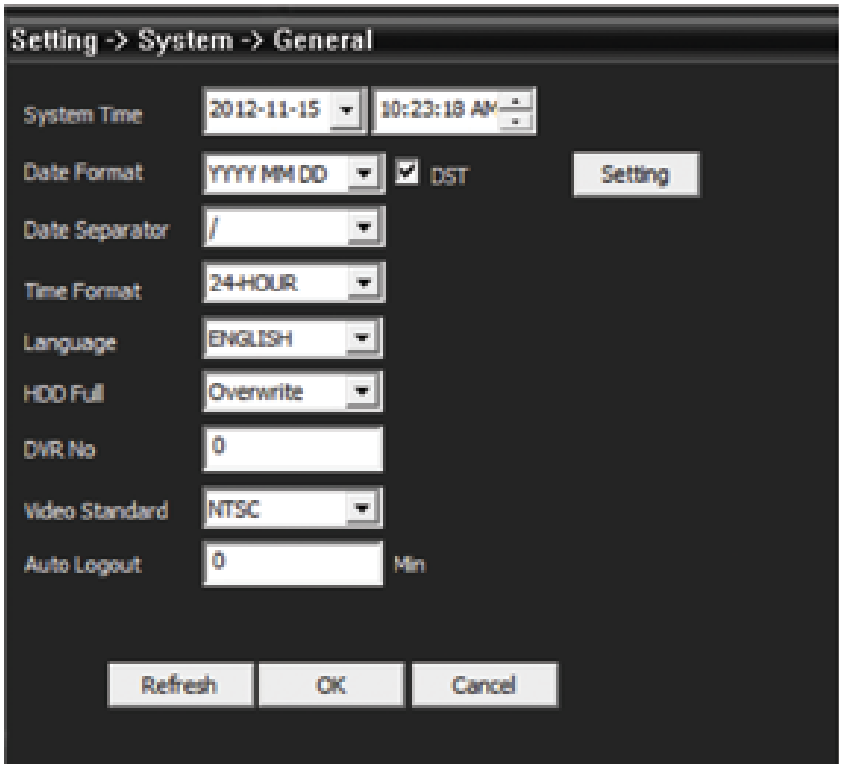
Alarm Input: Allows users to configure settings related to alarm type, schedule, alarm output, record, snapshot, and PTZ Activation, etc.

Abnormal: Allows users to configure buzzer and message alert options for the different event types which include “Storage Device Not Exist”, “Storage Space Lack Alarm”, “Storage Device Access Failure”, “IP Conflict”, and “NetAbout”.

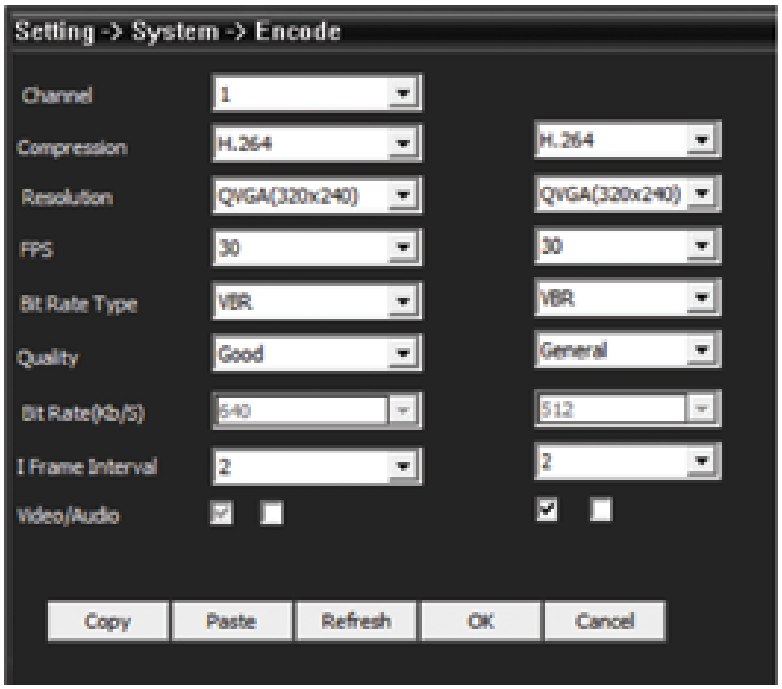


System: consists eight subcategories: “General”, “Encode”, “Network”, “NetService”, “GUI Display”, “PTZ Config”, “RS232”, “Camera Parameter”.

General: Allows users to configure the IPCAM-SD date/time, date format, date separator, time format, language, overwrite, DVR No., video standard, and auto logout settings.



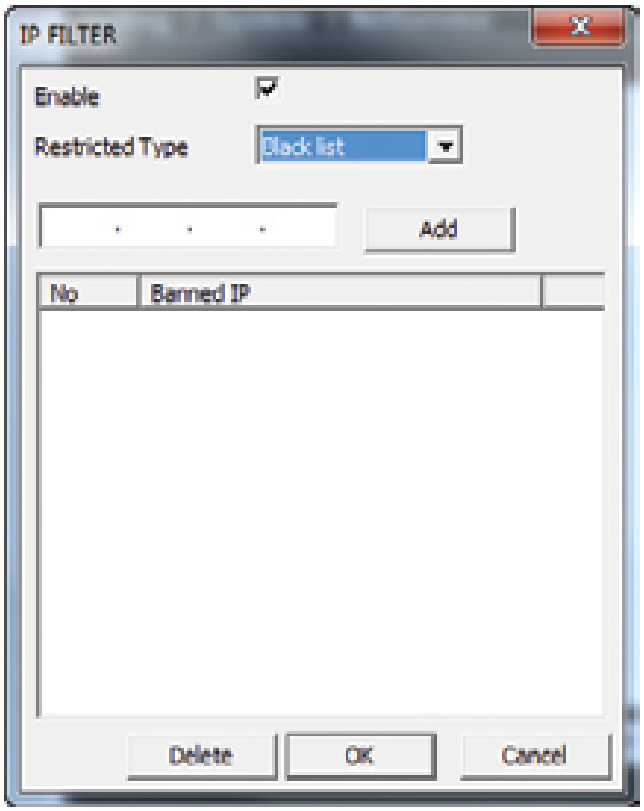
Encode: Allows users to configure the IPcam-SD's compression, resolution, FPS, bit rate type, quality, bit rate, and video/audio.



Network: Allows users to configure the IPcam-SD's network parameters. DHCP Enable, IP address, Subnet Mask, Gateway, Primary and Secondary DNS, Media Port, and HTTP Port.

NetService: consists of “IP FILTER”, “DDNS”, “EMAIL”, “NTP”, “PPPoE”, “ARSP”, “Mobile Monitor”, “UPNP”, “FTP”, “WiFi”, “AlarmServer”, and “RTSP”.

IP FILTER: Allow users to configure IP FILTER settings.

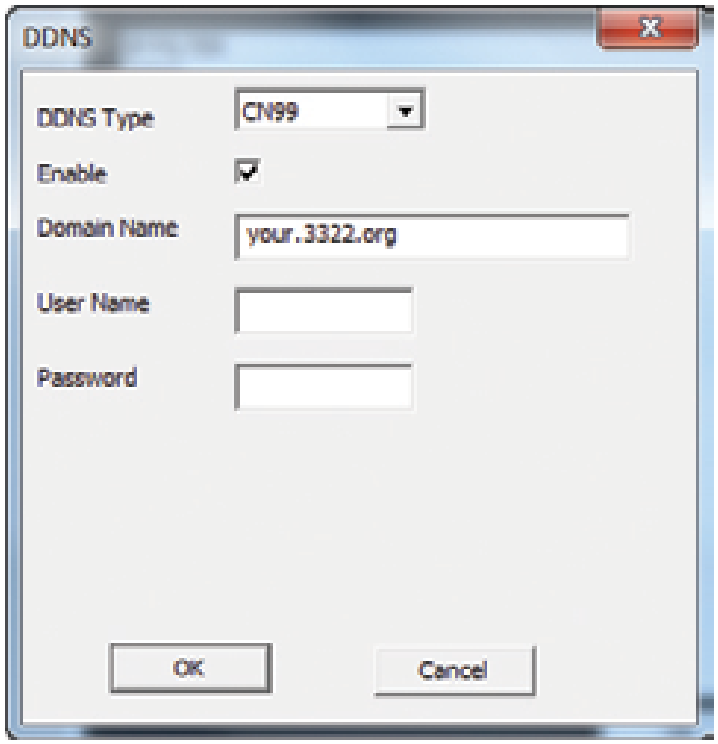


Enable: Enable or disable IP FILTER.

Restricted Type: Black list or White list.

Add: Add a IP address.

DDNS: Allows users to configure DDNS settings.



DDNS Type: “CN99”, “DynDns”, “Oray”, ”NO-IP”, and “MYQ-SEE”.

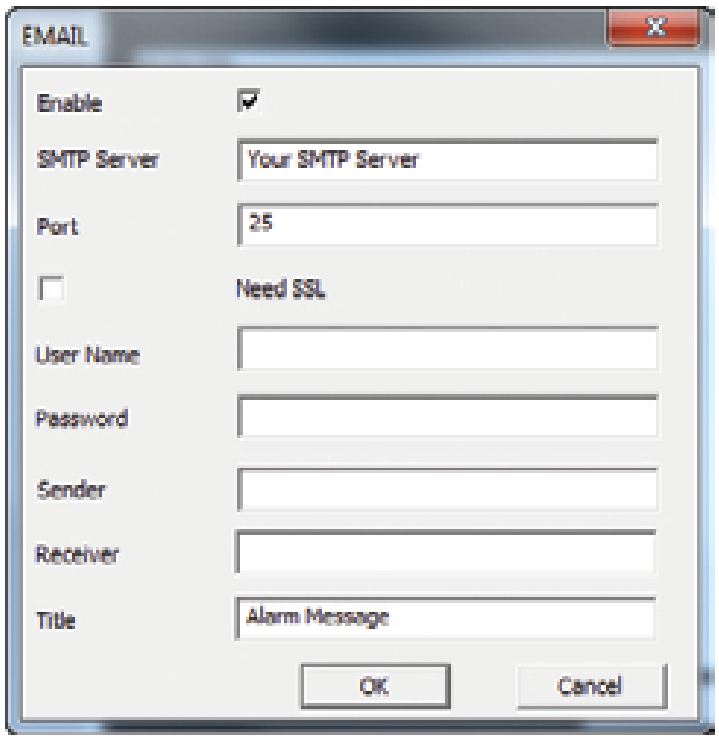
Enable: Enable or disable DDNS.

Domain Name: Enter the domain name of DDNS.

User Name: Enter the user name of DDNS.

Password: Enter the password of DDNS.

EMAIL: Allows users to configure email settings.



Enable: Enable or disable EMAIL.

SMTP Server: Enter the email SMTP.

Port: Enter the port number of SMTP.

Need SSL: Enable or disable SSL.

User Name: Enter the username of email.

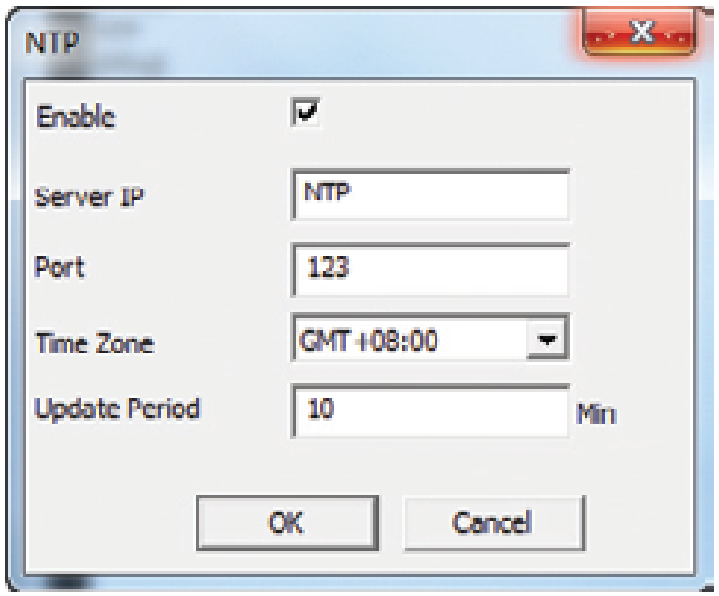
Password: Enter the Password of email.

Sender: enter sender’s email address.

Receiver: enter receiver’s email address.

Title: enter the title of message.

NTP: Allows users to configure NTP settings.



Enable: Enable or Disable NTP.

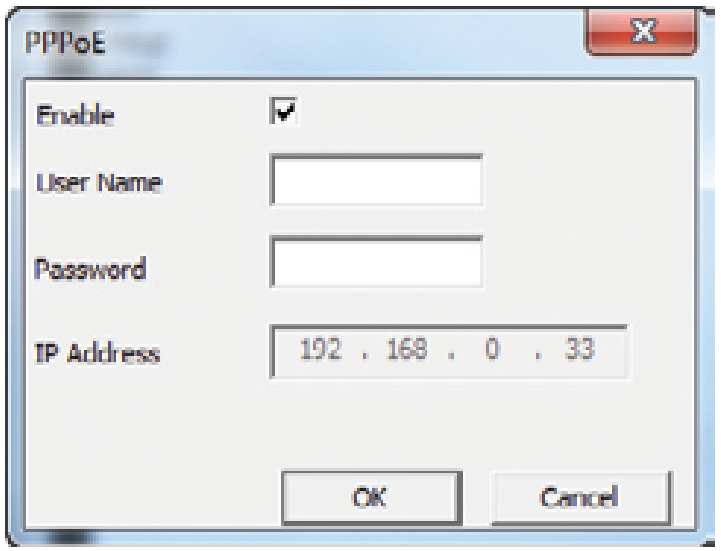
Server IP: Enter IP address of NTP.

Port: Default port is 123.

Time Zone: Adjust the current time zone.

Update Period: Adjust the update period.

PPPoE: Allows users to configure PPPoE settings.



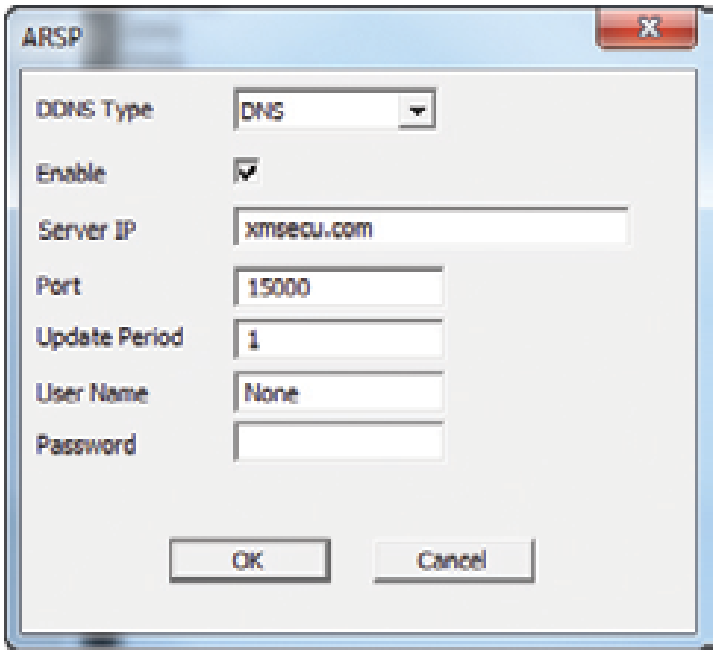
Enable: Enable or disable PPPoE.

User Name: Enter username of PPPoE.

Password: Enter password of PPPoE.

IP address: Enter IP address.

ARSP: Allows users to configure ARSP settings.



DDNS Type: DNS.

Enable: Enable or disable ARSP.

Server IP: Enter the Server IP of ARSP.

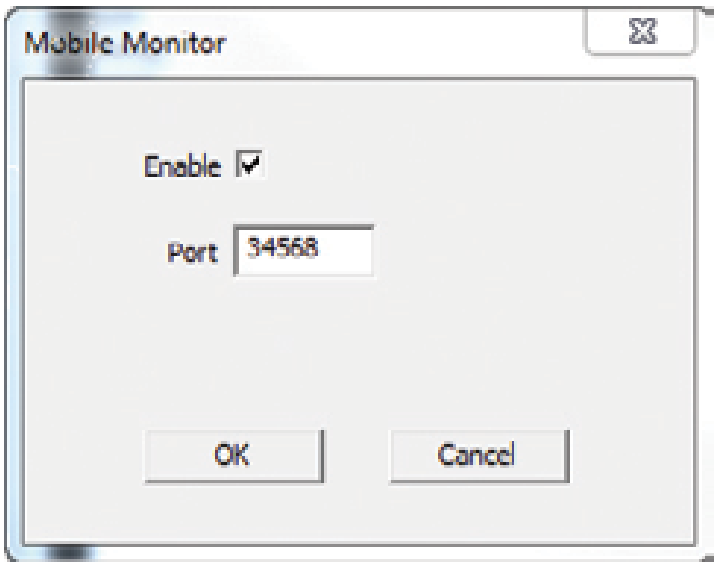
Port: Default port is 15000.

Update Period: Enter the update period.

User Name: Enter the username.

Password: Enter the password.

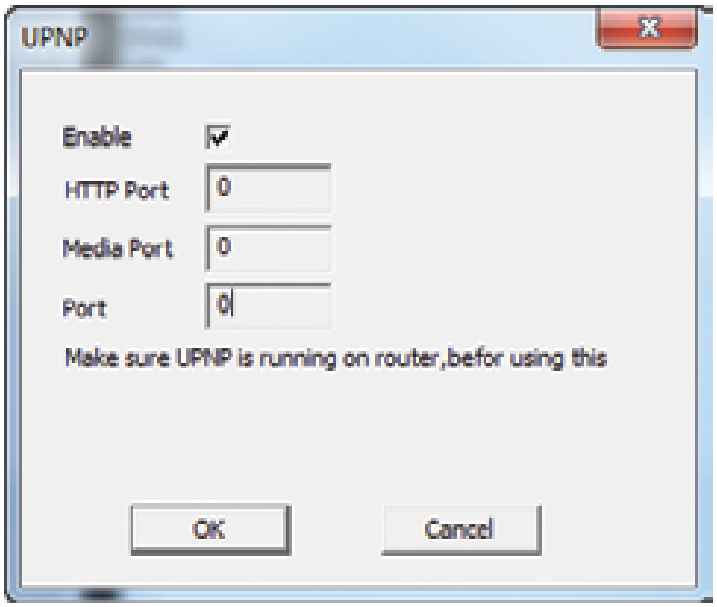
Mobile Monitor: Allows users to configure Mobile Monitor settings.



Enable: Enable or Disable Mobile Monitor.

Port: default port 34568.

UPNP: Allows users to configure UPNP settings.



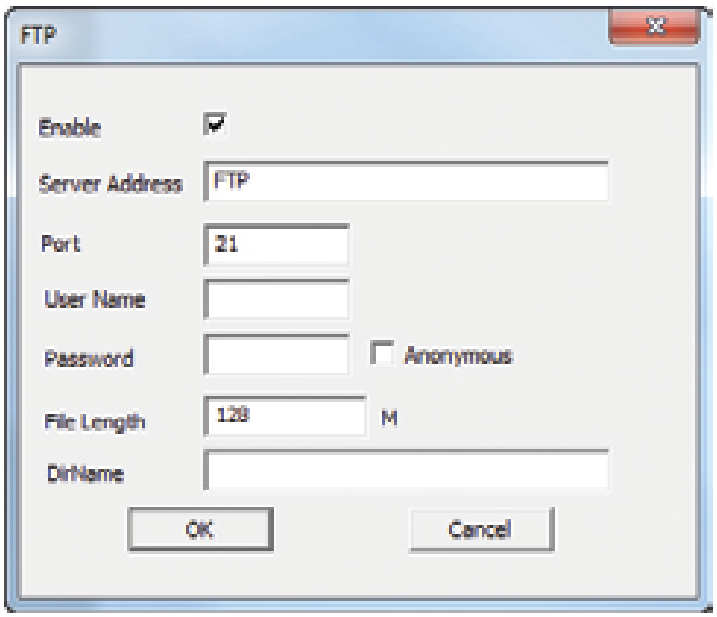
Enable: Enable or disable of UPNP.

HTTP port: Default is 0 and cannot be changed.

Media port: Default is 0 and cannot be change.

Port: Default is 0 and cannot be changed.

FTP: Allows users to configure FTP settings.



Enable: Enable or disable FTP.

Server Address: Enter FTP address.

Port: Default port is 21.

User Name: Enter username of FTP.

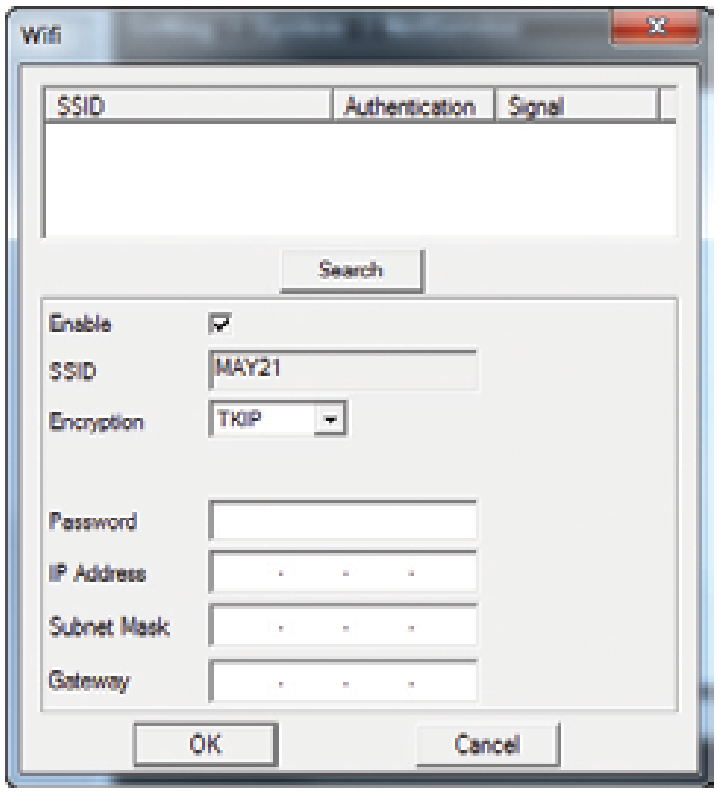
Password: Enter password of FTP.

Anonymous: Enable or disable anonymous.

File Length: Enter the file size.

DirName: Enter the name of directory.

Wifi: Allows users to configure Wifi settings.



Search: search for available wireless network.

Enable: Enable or disable Wifi.

SSID: Displays the SSID.

Encryption: Encryption of the selected wireless network.

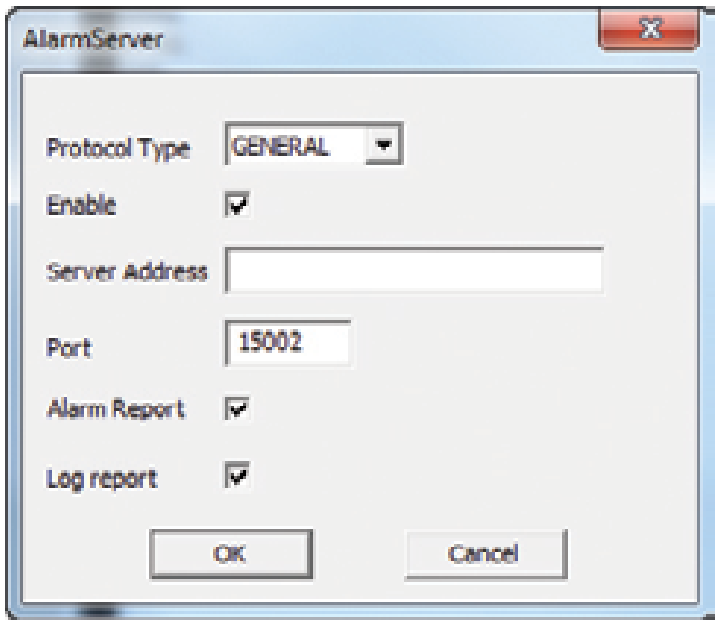
Password: Enter the password of wireless network.

IP Address: Enter IP address.

Subnet Mask: Enter Subnet Mask.

Gateway: Enter Gateway.

Alarm Server: Allows users to configure Alarm Server settings.



Protocol Type: General.

Enable: Enable or Disable Alarm Server.

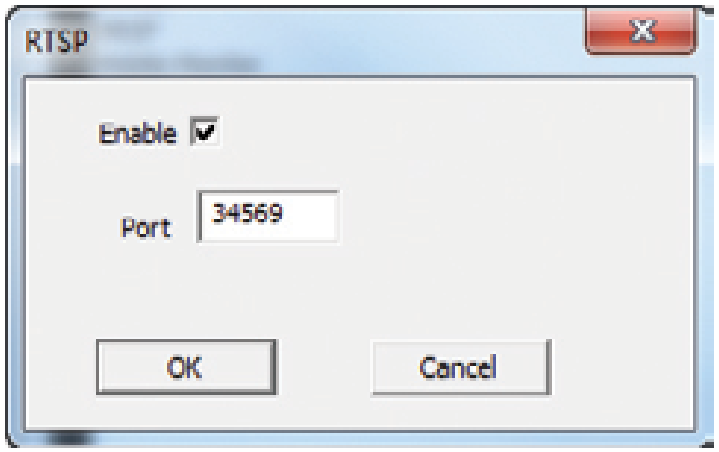
Server Address: Enter the Alarm Server address.

Port: Default port is 15002.

Alarm Report: Enable or disable Alarm Report.

Log report: Enable or disable Log report.

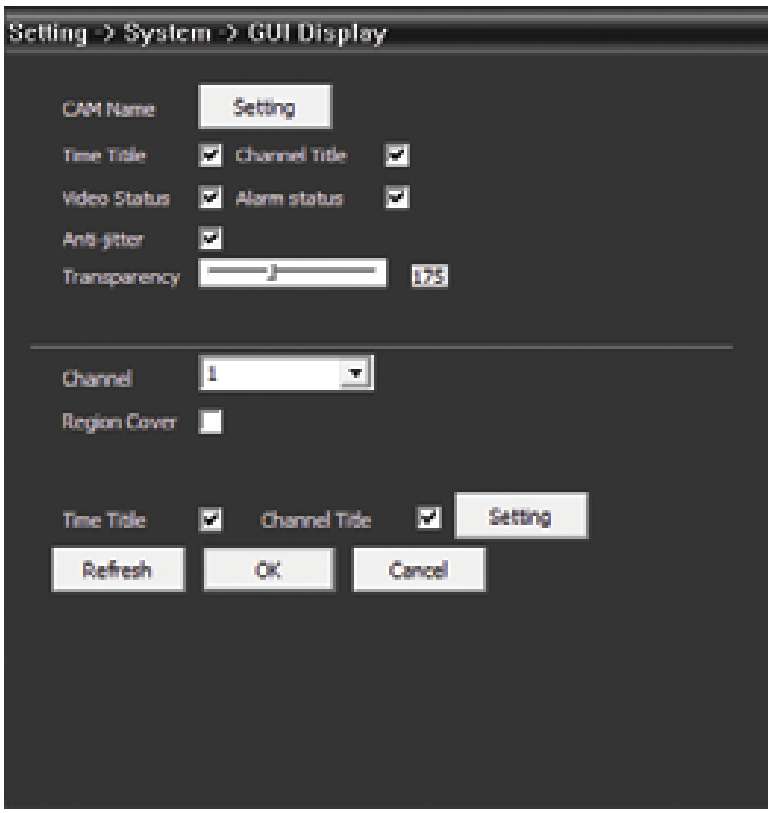
RTSP: Allows users to configure RSTP settings.



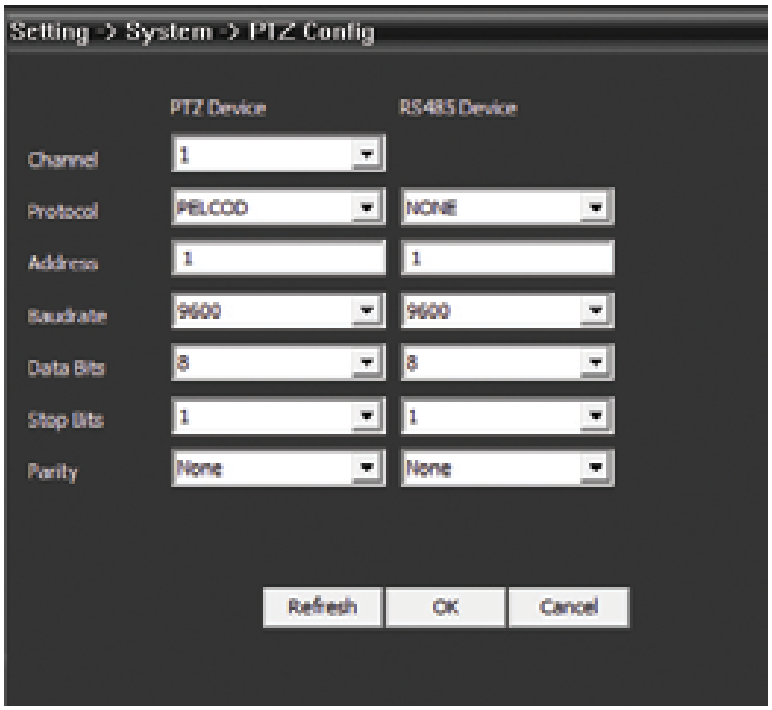
Enable: Enable or disable RTSP.

Port: Default port is 34569.

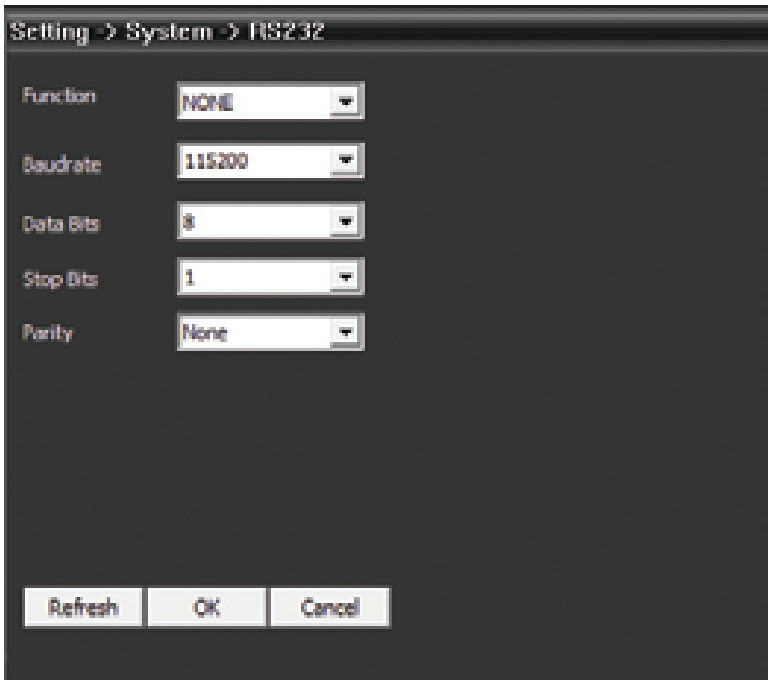
GUI Display: Allows users to configure the IPcam-SD's display settings such as camera name, time title, camera title, video status, alarm status, anti-jitter, transparency, area masking



PTZ Config: Allows users to configure the IPcam-SD's PTZ related settings such as PTZ channel, protocol, address, baudrate, data bits, stop bits, and parity



RS232: Allows users to configure the IPcam-SD's RS232 related settings such as "function", "baudrate", "data bits", "stop bits", and "parity".

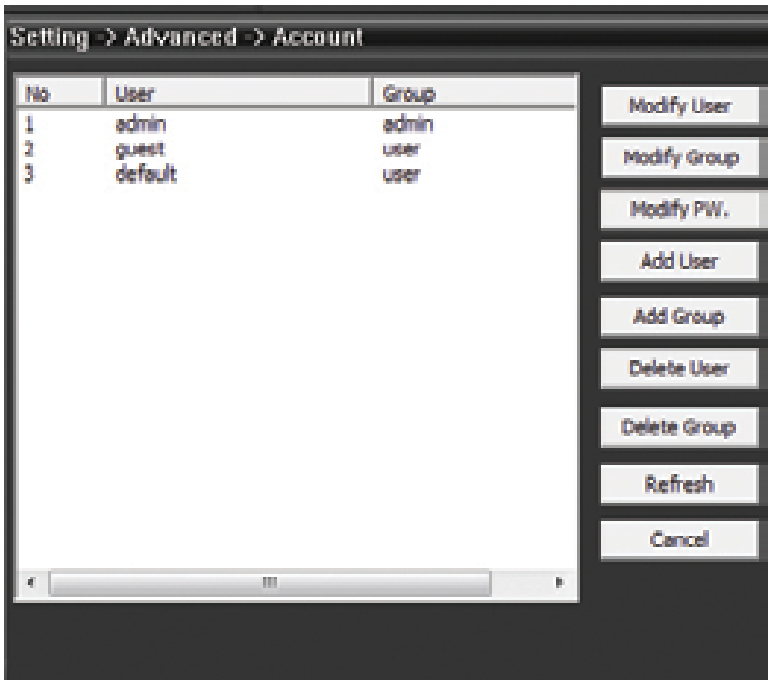


Camera Parameter: Allows users to configure the IPcam-SD's camera parameters such as "set exposure mode", "day/night mode", "BLC", "auto iris", "AE reference", "AGC", "slow shutter", "IR_CUT", "mirror", "Turn", and "anti-flicker".

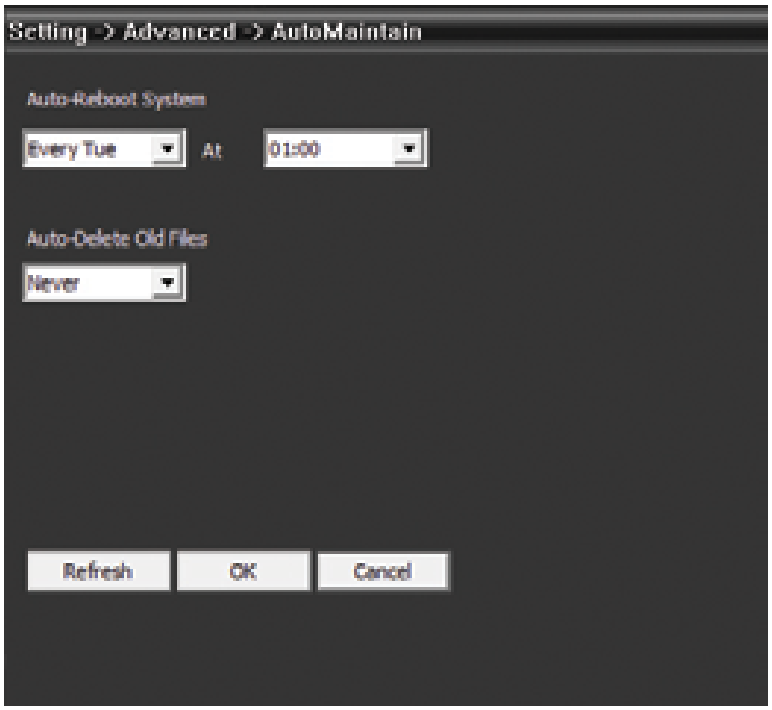
Advanced: consists of seven subcategories: "SD Card Manage", "Account", "AutoMaintain", "Default", "Import Export", Reboot", "Upgrade"

SD Card Manage: Allows users to configure IPcam-SD's SD card information such as "Type", "Status", "Read/Write", "Read only", "Redundant", "Format Disk", "Recover", and "Partition"

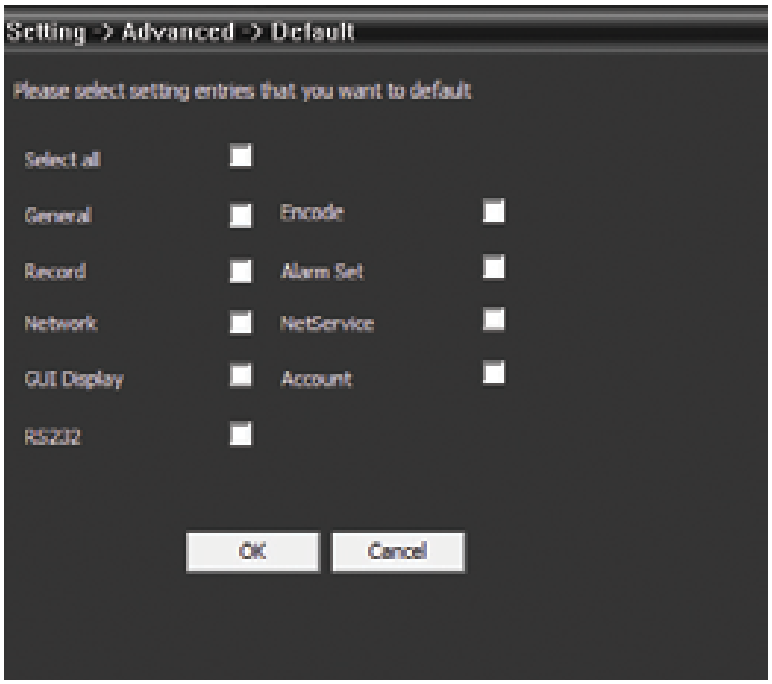
Account: consists of "Modify User", "Modify Group", "Modify PW", "Add User", "Add Group", "Delete User", "Delete Group".



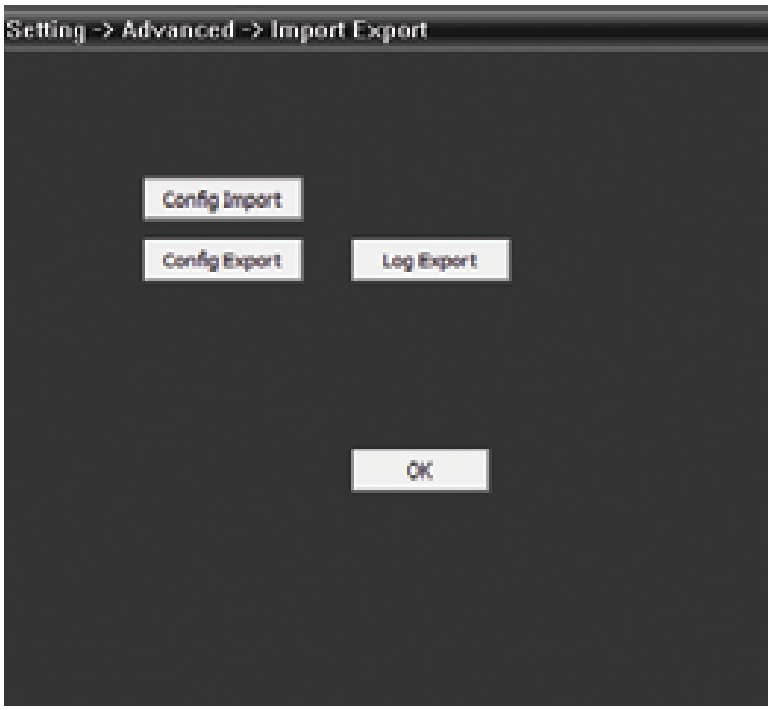
AutoMaintain: Allows users to configure IPcam-SD settings related to AutoMaintain such as Auto-Reboot date/time, Auto-Delete Old Files.



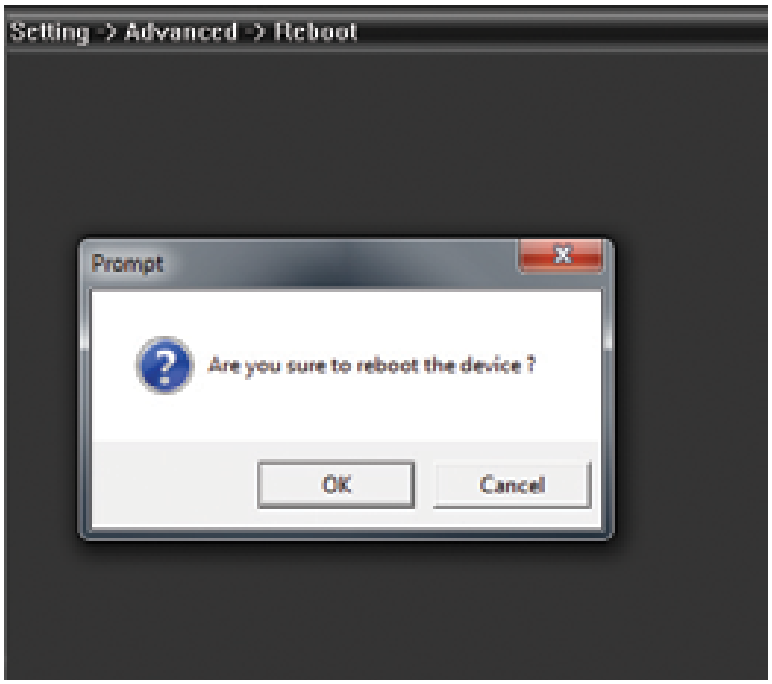
Default: Restores the system to its factory default settings.



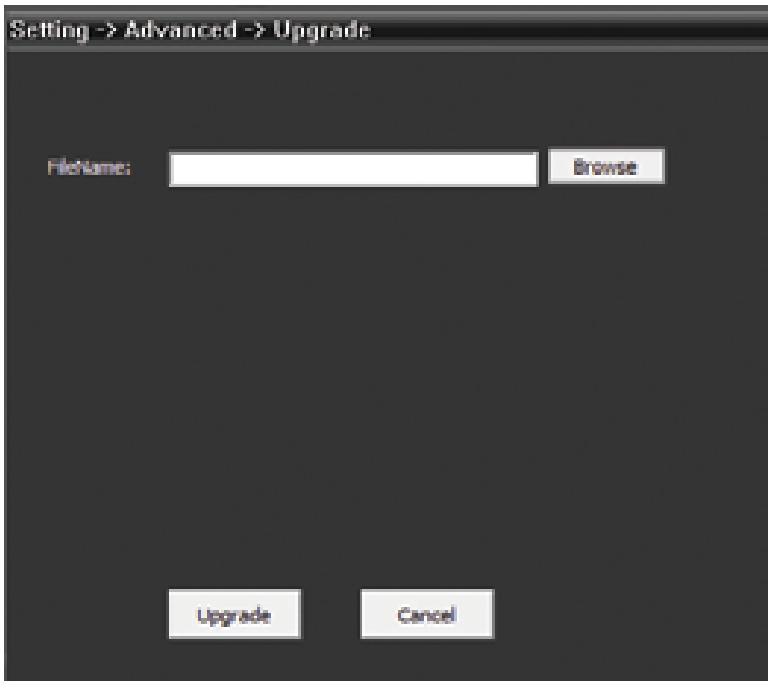
Import/Export: Allows users to import/export configuration file and log.



Reboot: Allows users to reboot/restart IPcam-SD.



Upgrade: Allows users to upgrade the IPcam-SD's firmware

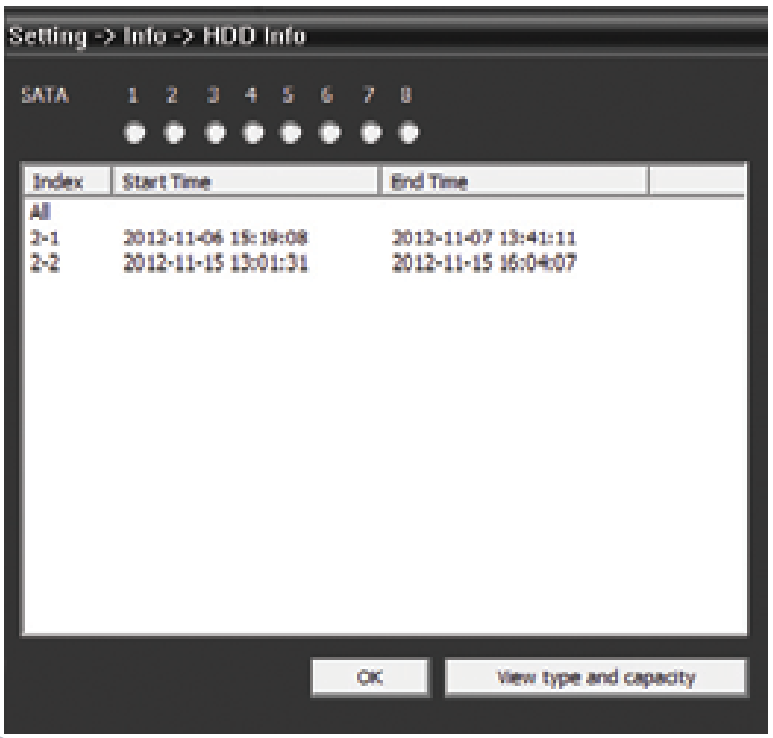


Info

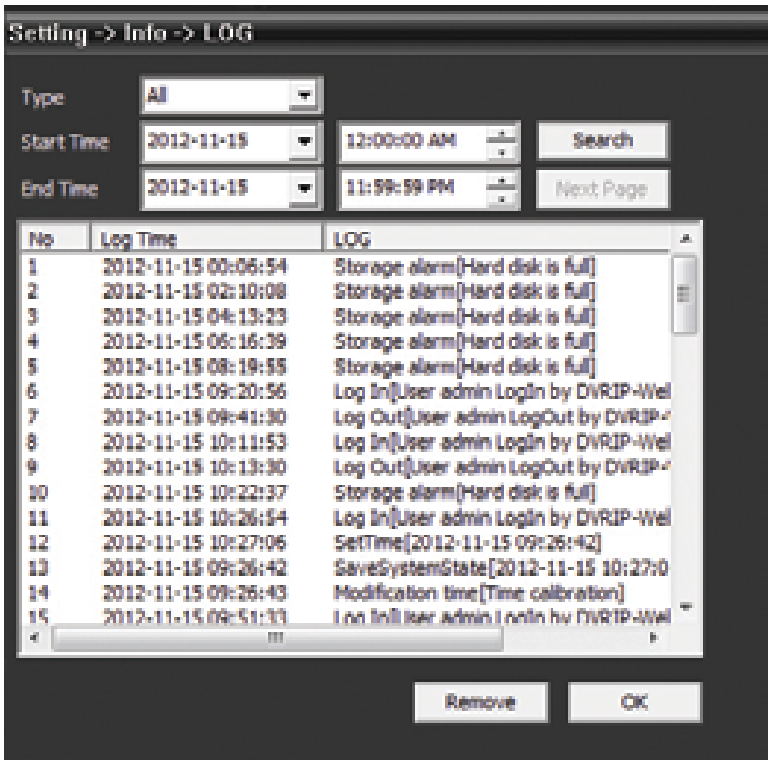
Info consists of "SD Card Info", "Log", and "Version"

SD Card Info: Displays information related to the SD card being used such as the total capacity and free space available and also the start time/end time of the recording.

Setting -> Info -> HDD Info
SATA 1 2 3 4 5 6 7 8
Index Type Capacity Left Capacity Status
All - 14.93 GB 2.74 GB
2-1 Read/Write 12.00 GB 2.74 GB Normal
2-2 Snapshot 2.92 GB 0.00 MB Normal
OK
View recording times



Log: Search different types of log by date/time, “All”, “System”, “Config”, “Storage”, “Alarm Event”, “Week Day”, “Account”, “Playback”.


Setting -> Info -> LOG
Type
All
Start Time
2012-11-15
12:00:00 AM
Search
End Time
2012-11-15
11:59:59 PM
Next Page
No
Log Time
LOG
1 2012-11-15 00:06:54 Storage alarm[Hard disk is full]
2 2012-11-15 02:10:08 Storage alarm[Hard disk is full]
3 2012-11-15 04:13:23 Storage alarm[Hard disk is full]
4 2012-11-15 06:16:39 Storage alarm[Hard disk is full]
5 2012-11-15 08:19:55 Storage alarm[Hard disk is full]
6 2012-11-15 09:20:56 Log In[User admin LogIn by DVRIP-Wel
7 2012-11-15 09:41:30 Log Out[User admin LogOut by DVRIP-
8 2012-11-15 10:11:53 Log In[User admin LogIn by DVRIP-Wel
9 2012-11-15 10:13:30 Log Out[User admin LogOut by DVRIP-
10 2012-11-15 10:22:37 Storage alarm[Hard disk is full]
11 2012-11-15 10:26:54 Log In[User admin LogIn by DVRIP-Wel
12 2012-11-15 10:27:06 SetTime[2012-11-15 09:26:42]
13 2012-11-15 09:26:42 SaveSystemState[2012-11-15 10:27:0
14 2012-11-15 09:26:43 Modification time[Time calibration]
Remove
OK

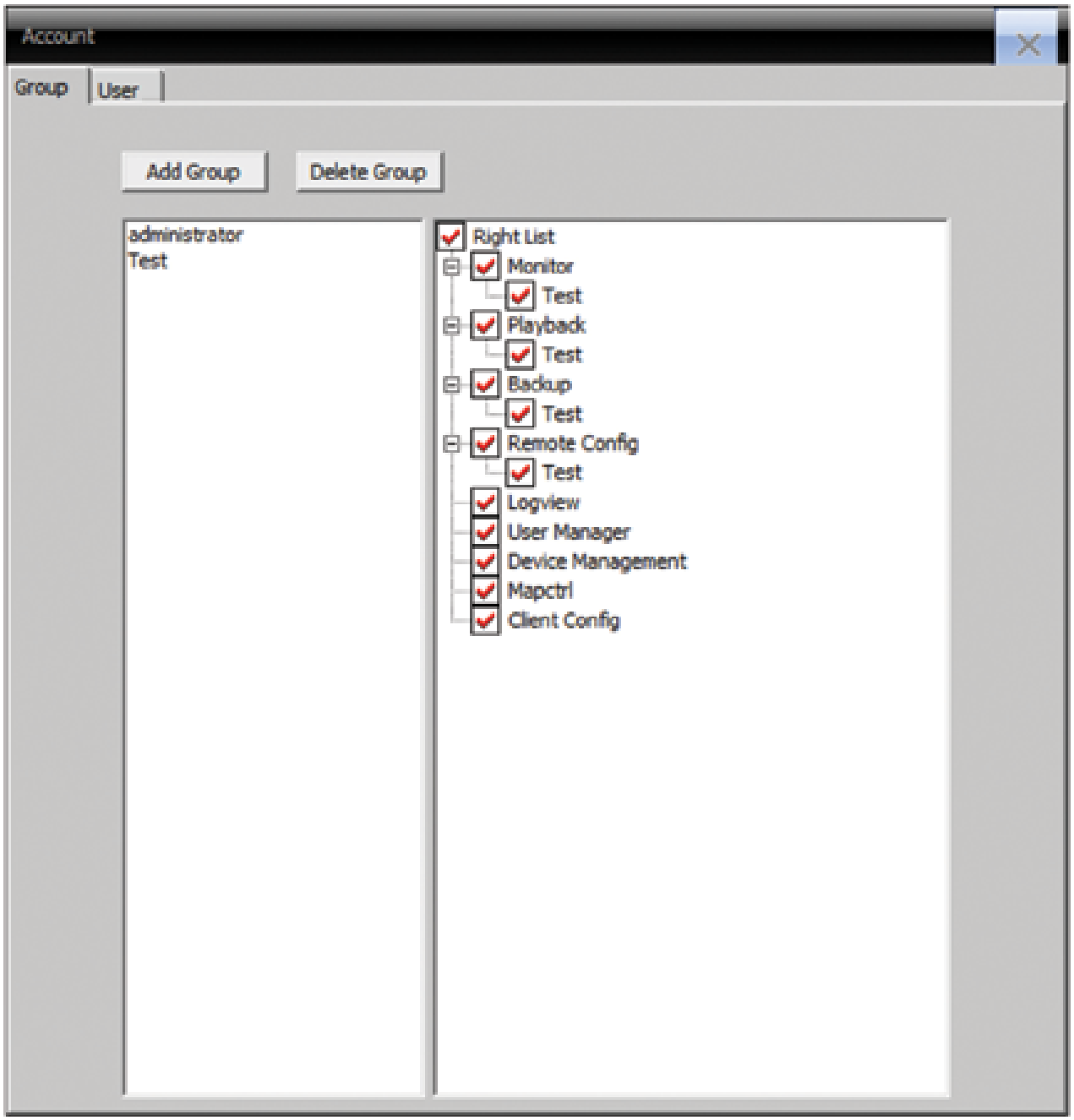
Version: Displays the version of IPcam-SD.

Account

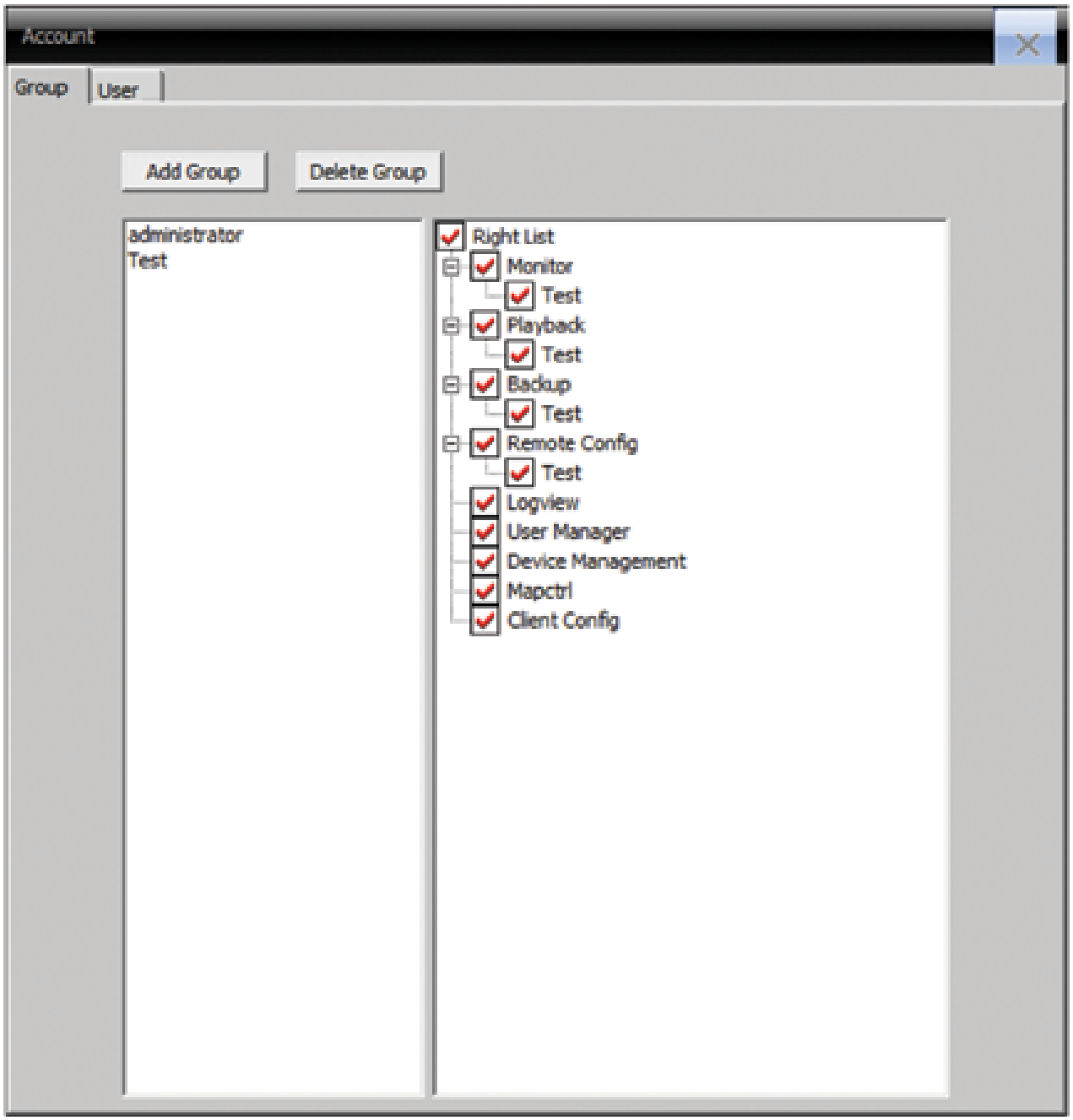
Account consists of “Group” and “User”. Users can create multiple users in one group, and configure different rights for different groups and users.

Group

Add, delete group and configure group rights.

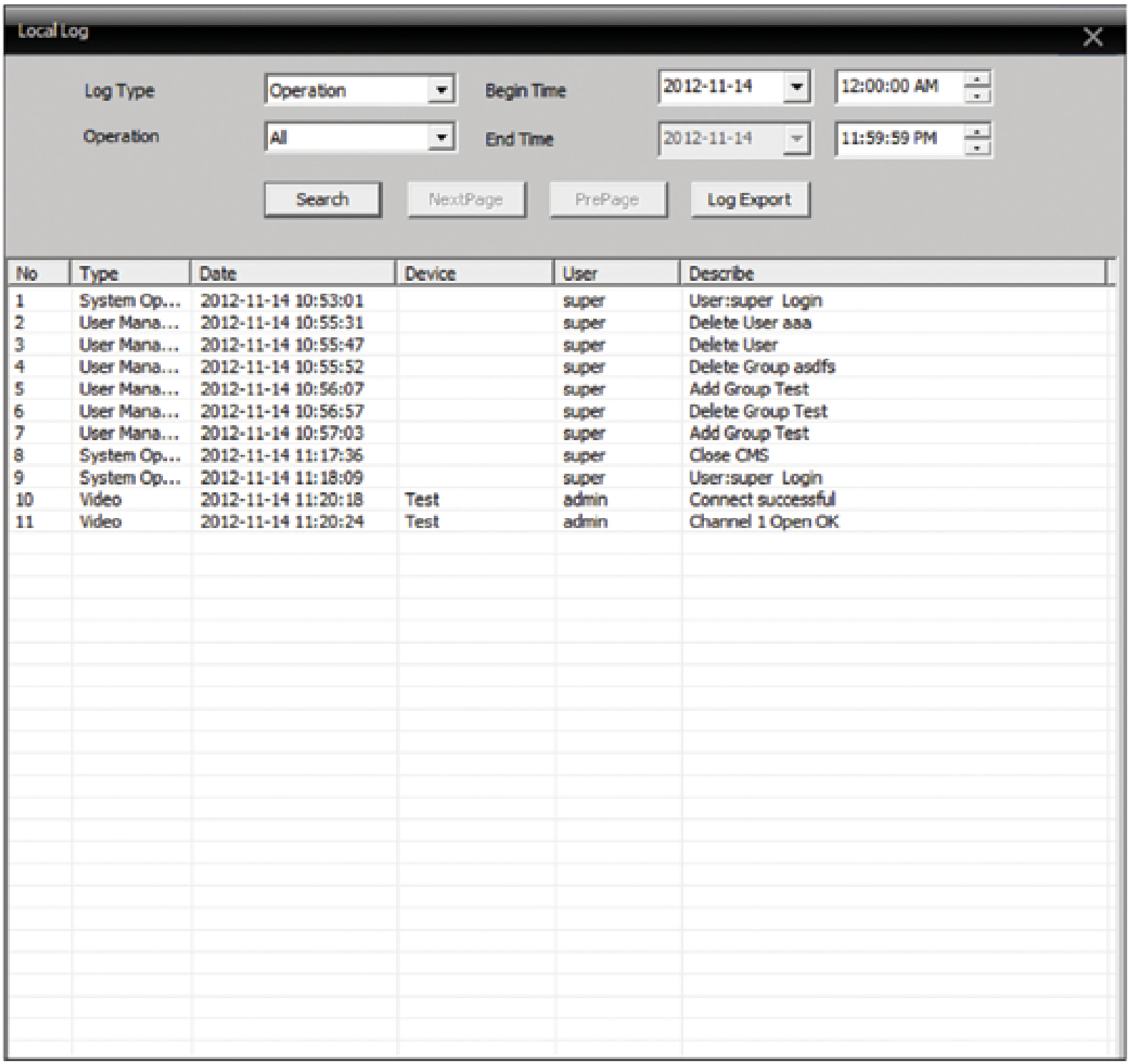


User (wrong pic?)
Add, delete user and modify password.



Local Log

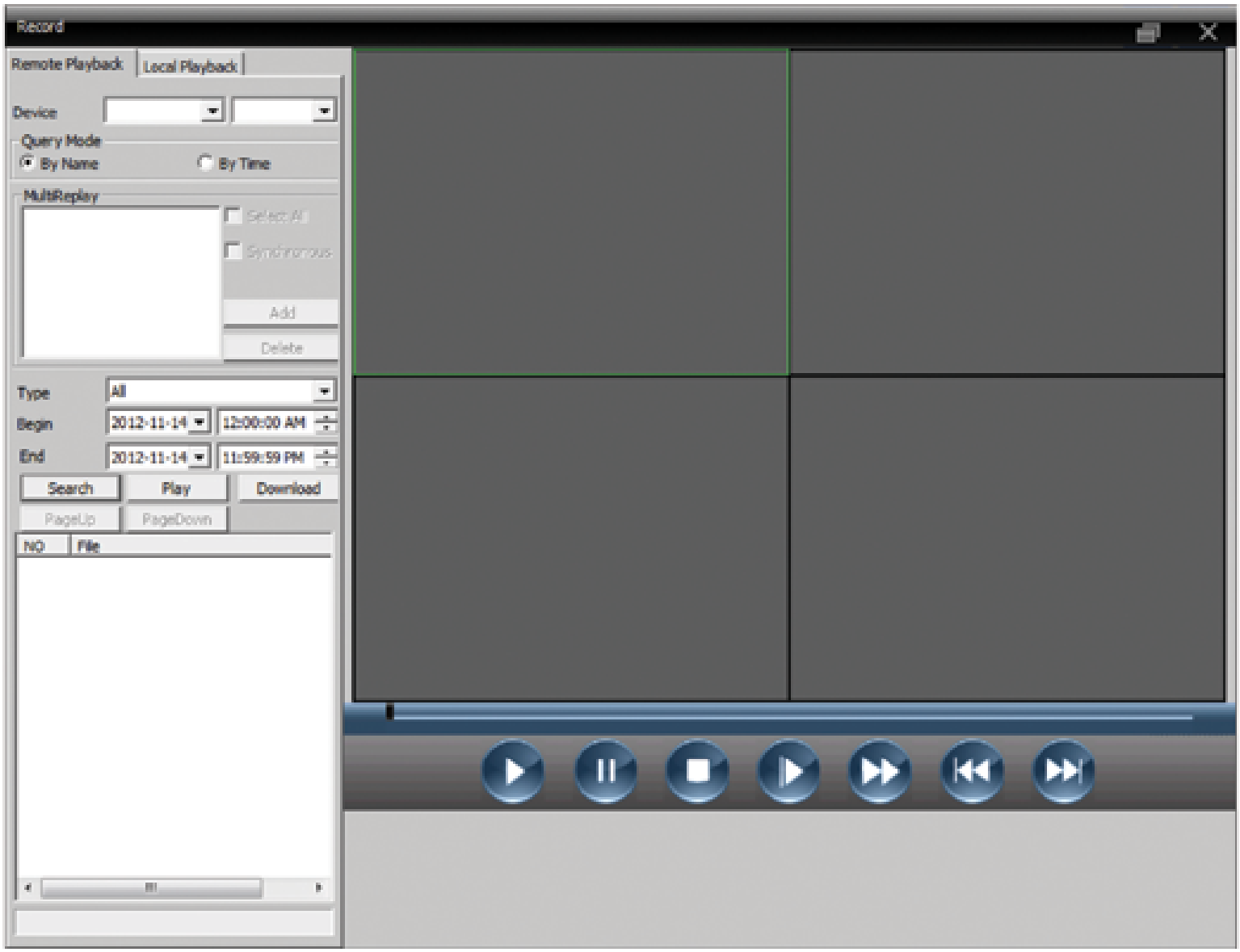
Allows users to search and display operation log, alarm log and other logs by date/time.



Record

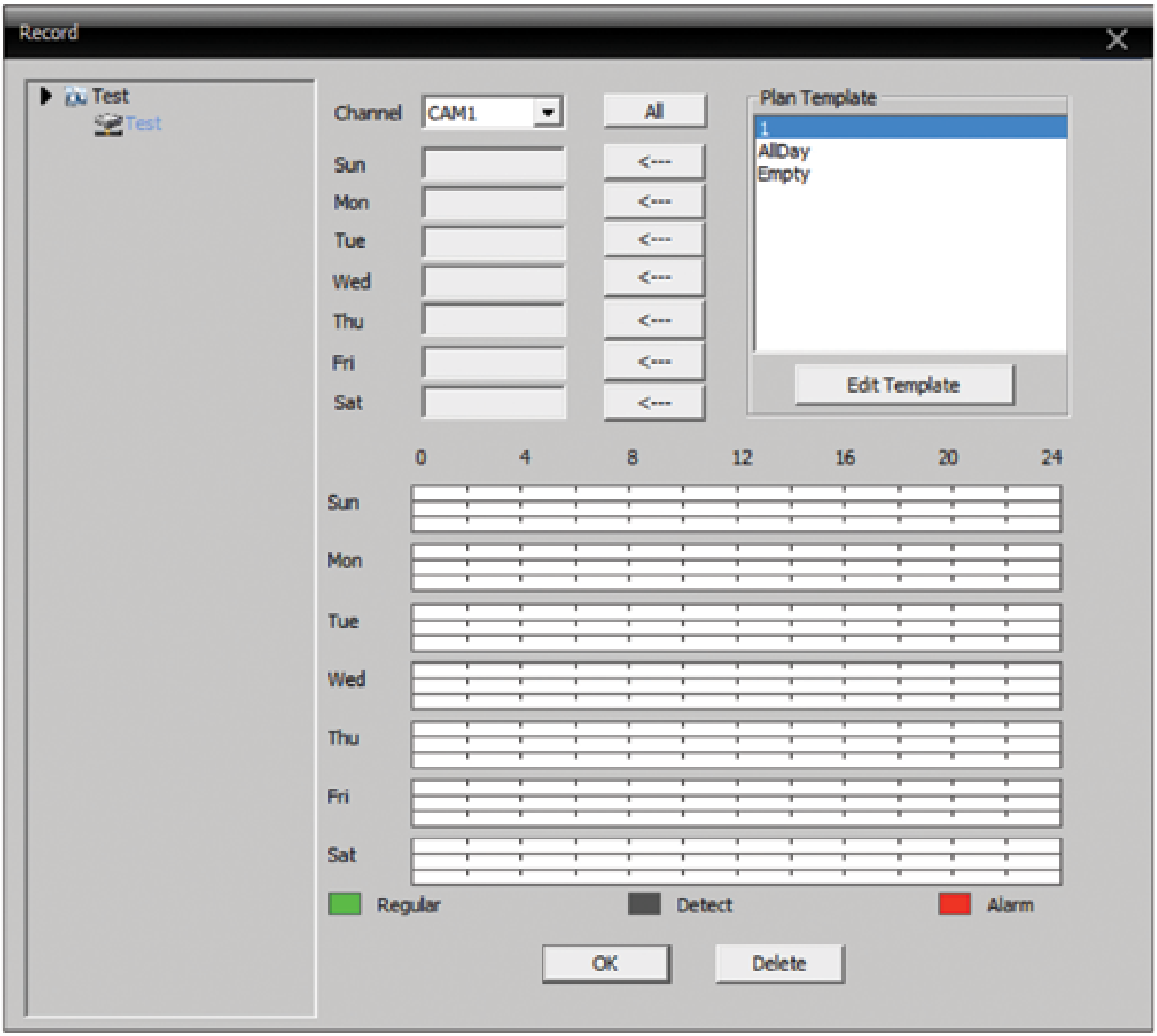
Playback

There are 2 playback modes---Remote Playback and Local Playback; the max playback channels are 4 channels.
Remote playback: Playback the recording files at IPCAM-SD.
Local playback: Playback recording files at local computer.
Users also can download(in remote playback) and backup(in local playback) recording files in the playback menu.



Record plan

Set your record schedules and record type on local computer.



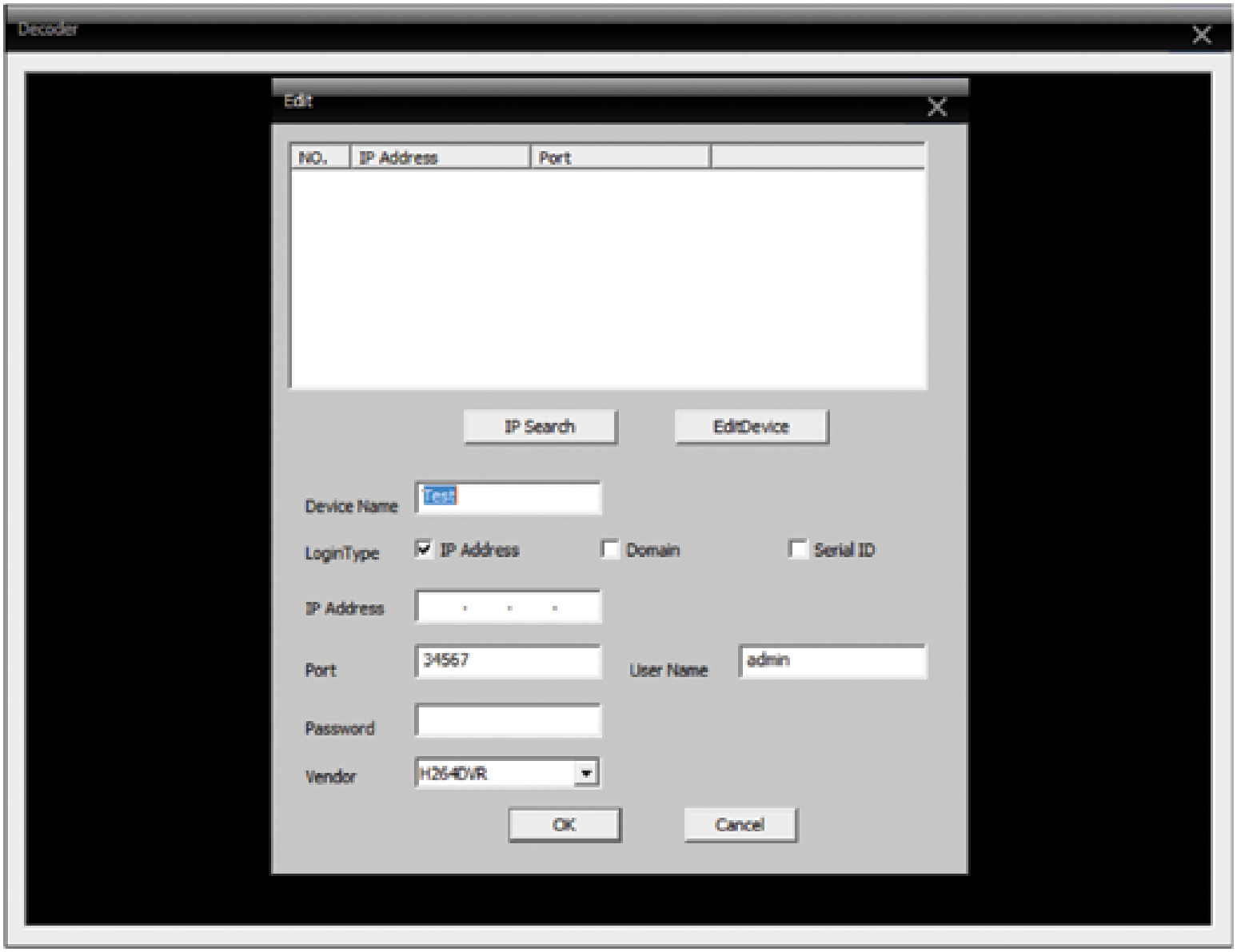
Advance

Decoder

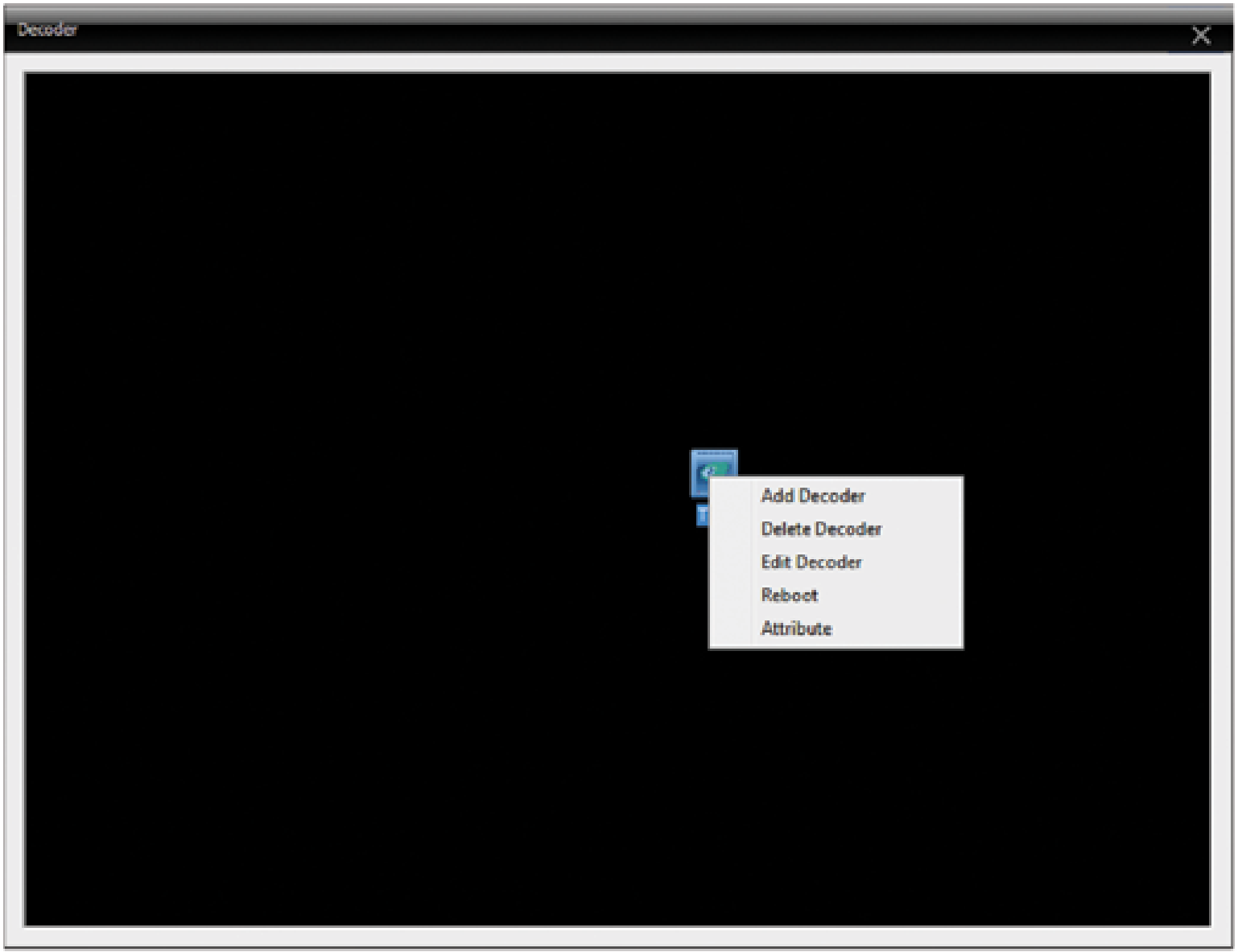
Users can manage and configure remote decoder.

Add decoder

Right-click to add decoder, and enter the IP address to continue.

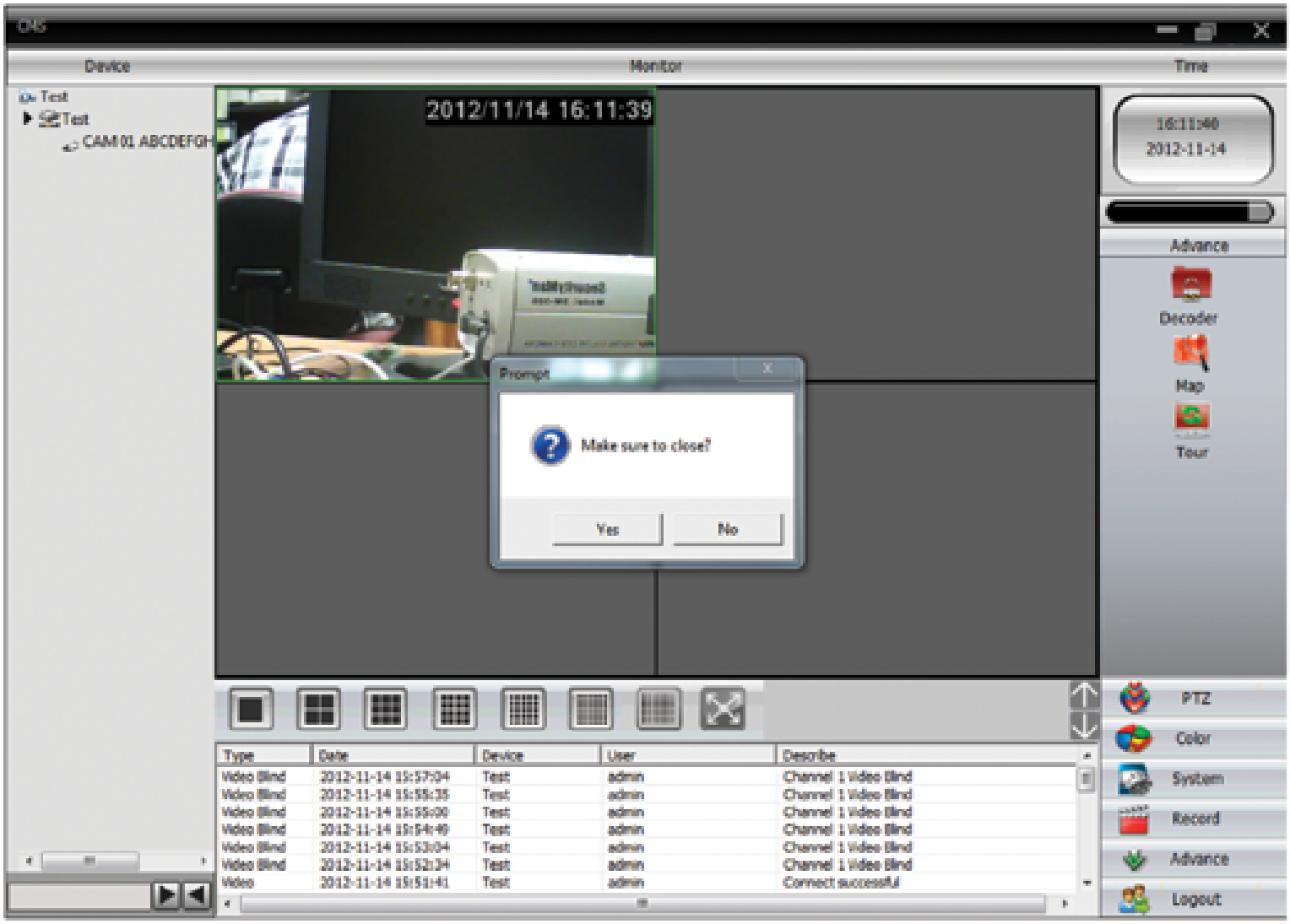


Device Name: Name of decoder
IP address: IP address of decoder
Port: TCP port, default is 34567
User Name: Login name of decoder, default is admin
Password: Password of decoder
After you add decoder successfully, it will come out a “decoder” icon in this interface, right-click this icon to edit, delete and configure.



Logout

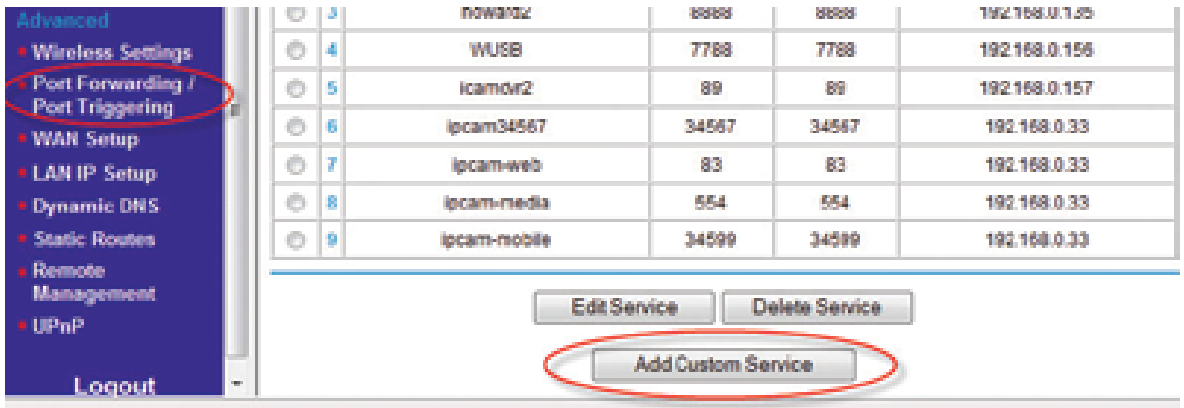
To close or logout CMS, click “Logout”, and click “Yes” on the message window “Are you sure to exit?”



IE Browser and SmartPhone Remote Access (Internet)

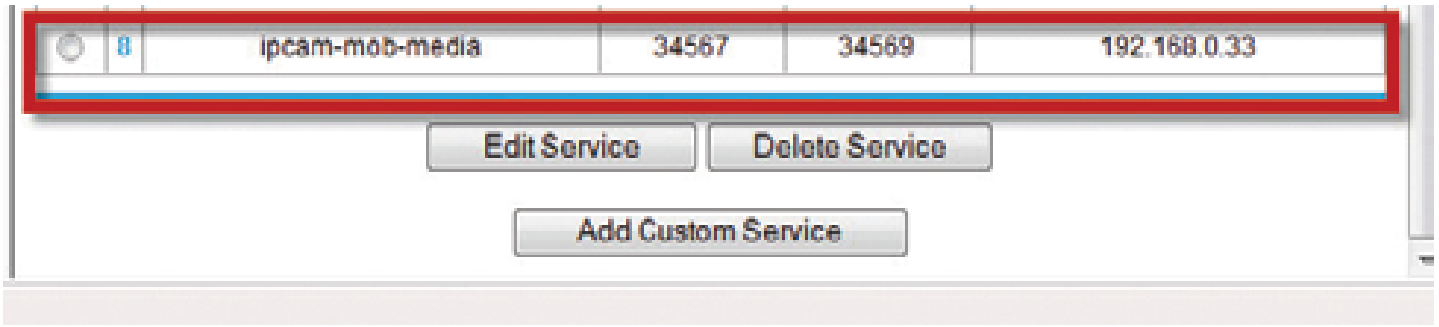
Prior to remote access using Internet IE Browser, Smartphone, and CMS, there are a few ports designated to the IPCam-SD have to be opened in your router. Since there are many varieties of routers out in the market today, here we would like to demonstrate with a Netgear WGT624 wireless router. Port 34567~34569 are required to be opened in your local router as follow:

1. The administrator's username and password are required to login to manage the router. Next, click on "Advanced", then "Port Forwarding", and "Add Custom Service"



2. In custom service, input the Service Name (ie. IPCamera), Service Type =TCP, Starting Port=34567, Ending Port=34569, and Server IP Address (input your local area network IP address that was assigned to the IPCam-SD in Step 8 above.). Click on "Apply" to confirm.

3. After confirmation, the following result will displayed to demonstrate that the ports have been successfully opened as shown below. The IP address of 192.168.0.33 used is for demonstration purposes only.



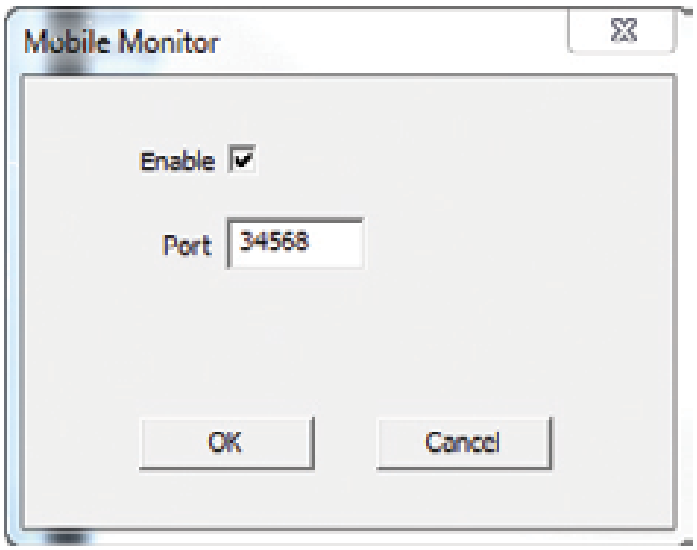
4. For static IP address subscribers (recommended), you should have given a static IP address by your ISP (Internet Service Provider), this is the WAN IP address you will need to access the IPCam-SD over the Internet using the IE Browser and Smartphone Applications. For those with dynamic IP address subscribers, use third party software that can be used to detect the changes in dynamic IP and send out the IP changes to email address, software such as IPWatcher, Dynamic IP Monitor, etc. Or, register for a DDNS account with www.dyndns.com , www.no-ip.com , www.dnsdynamic.org , www.changeIP.com or any free/paid DDNS servicing website.

Internet Explorer Remote Access

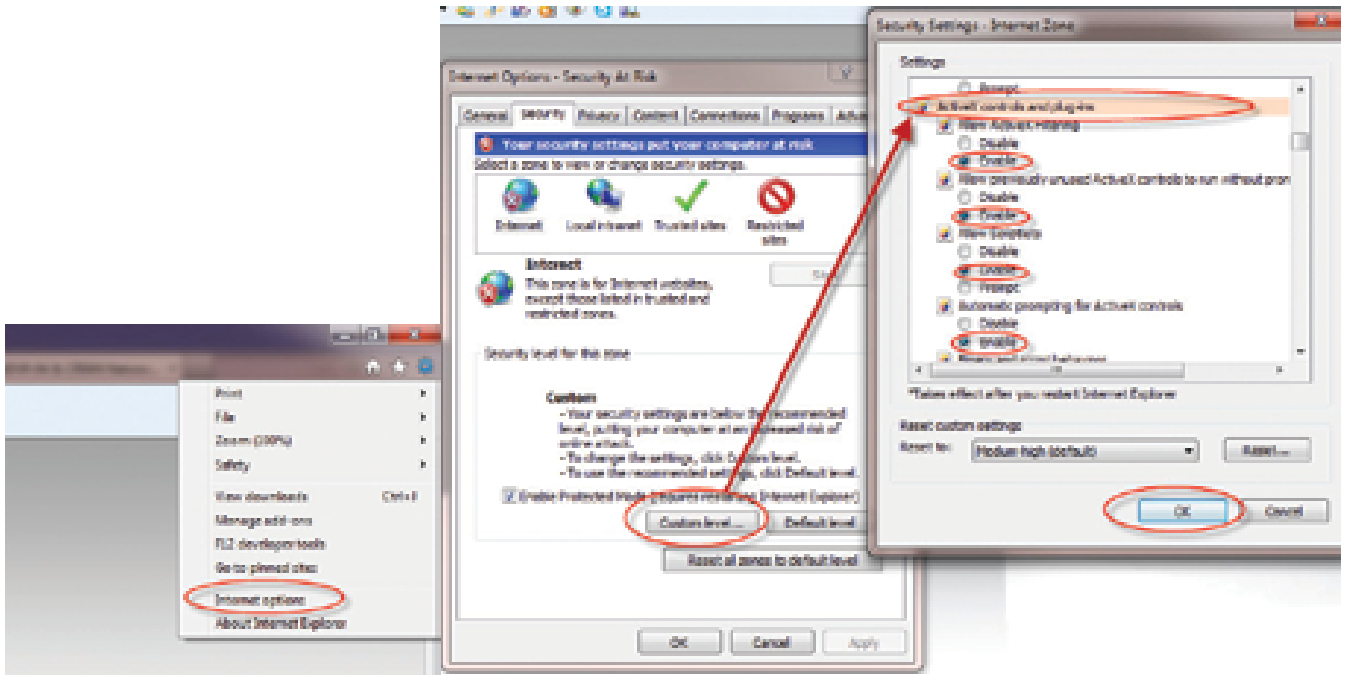
1. Obtain LAN IP address and port.

In CMS software, click “System”->”Remote Config”->”Network”, and it displays the network information of IPCAM-SD. What you need to pay attention to is the IP address, default gateway, Media Port, and HTTP Port. Click “OK” to exit back to “System”.

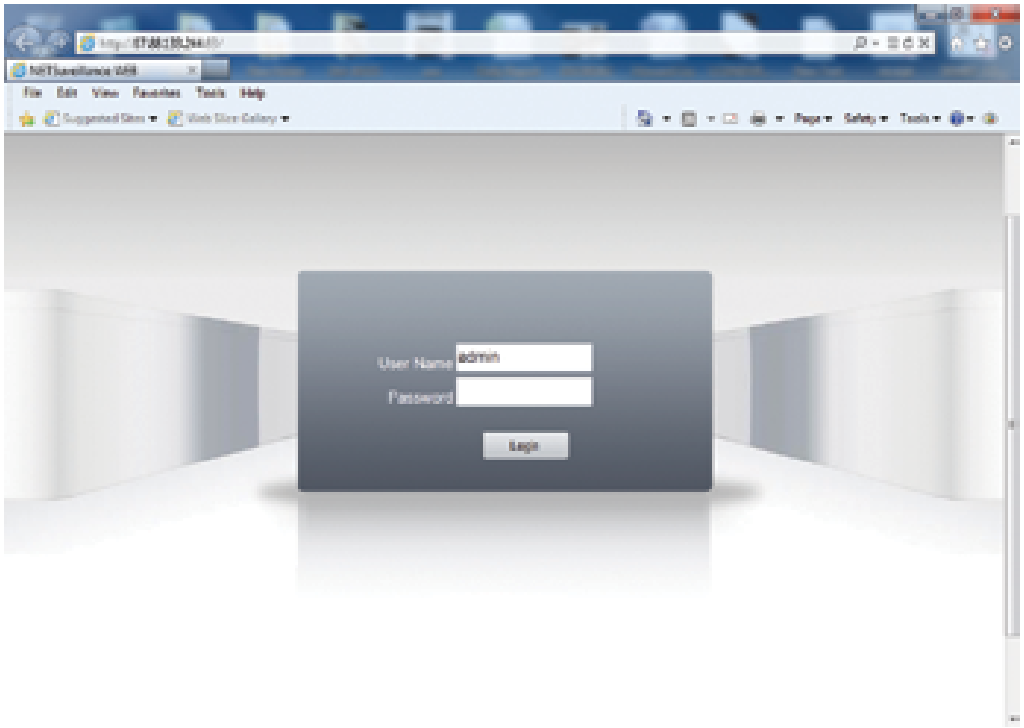
2. Click “NetServices”, and double-click “Mobile Monitor”. Check “Enable” box, and the default port is 34568. Click “OK” to confirm changes and exit “NetService”.



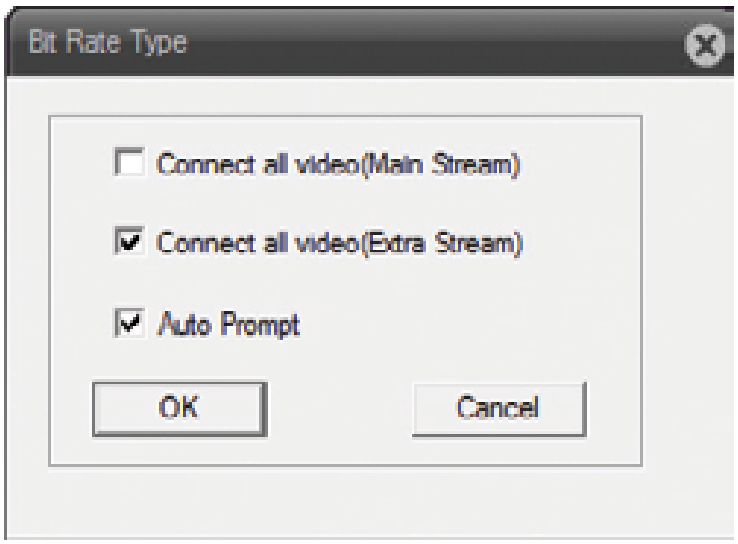
3. Open the IE Browser, in this demonstration we are using IE 9.0. Go into the “Tool” and then click on the “Internet Options”. Next, click on the “Custom Level” and browse down to “ActiveX controls and plug-ins” to “Enable” everything under the ActiveX controls, then click “OK” to confirm settings as shown below.



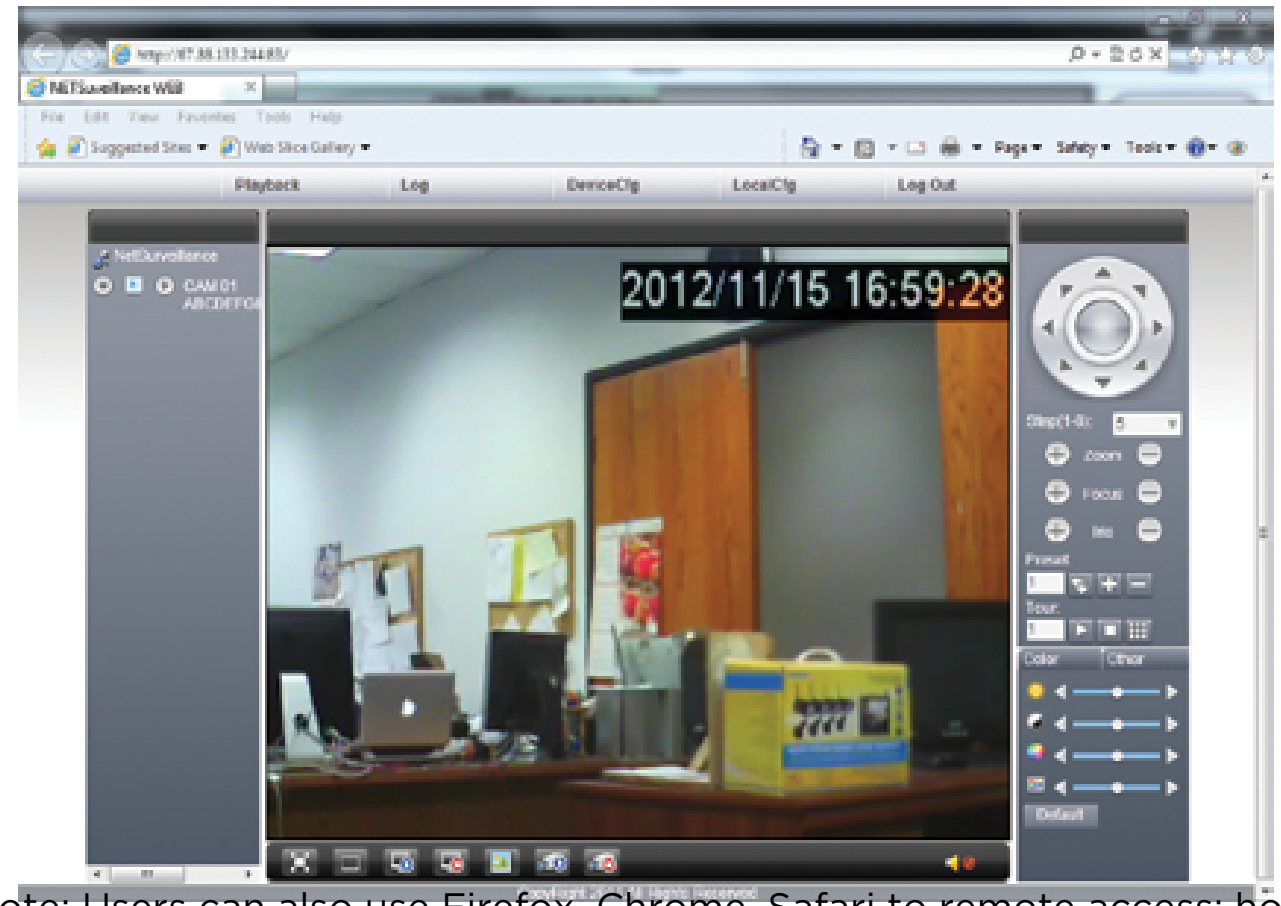
6. To remote access IPCAM-SD, open Internet Explorer, and enter the IP address given by your Internet Service Provider at address bar(for example, http://67.88.133.244), and press “Enter”. The login screen will appear, and Enter the username and password. The Default User Name is admin, and the default Password: none, and click “Login” to continue.



7. “Bit Rate Type” window will appear. Users can choose “Connect all video(Main Stream)”, or “Connect all video(Extra Stream”, or just leave it as default setting and click “OK” to continue.



8. The image of camera will appear momentarily.



Note: Users can also use Firefox, Chrome, Safari to remote access; however, a QuickTime plug-in is required. QuickTime can be downloaded at http://www.apple.com/quicktime/download/

Smartphone Remote Access (iPhone)

1. Open the App Store and search for “vMEyeV2” as shown in IMAGE #1 and then select the “vmeyev2” application from the list. Then tap on “FREE” to initiate the download [IMAGE #2].
   NOTE: Although the app is free, an Apple ID is required in order to download and install the application.

IMAGE #1

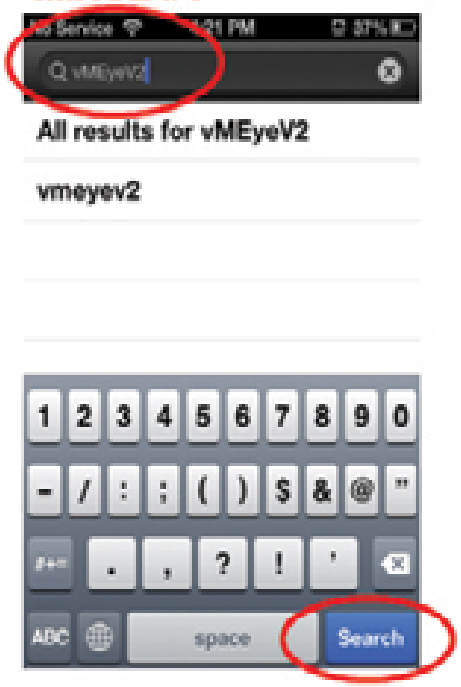
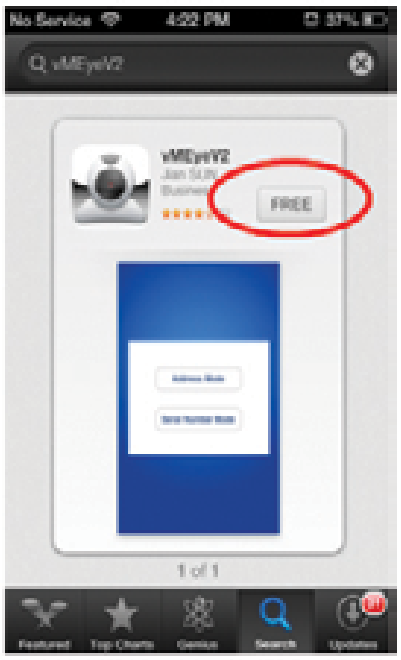


IMAGE #2



2. Tap on the “Install App” to start installing option from the app description screen [IMAGE #3] and then enter your Apple ID “User Name” and “Password” when prompted as shown in IMAGE #4 to begin the installation process.

IMAGE #3

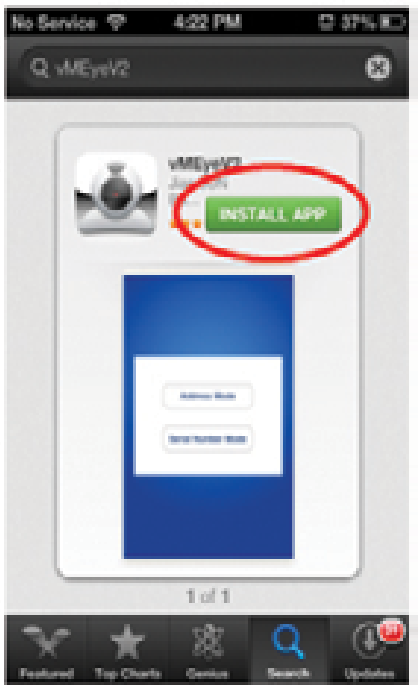
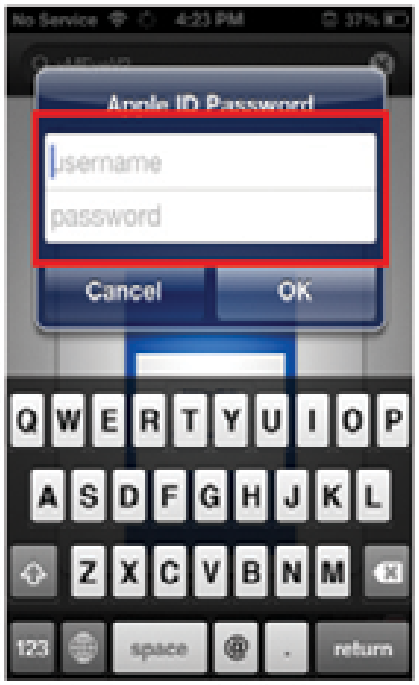


IMAGE #4



3. Once the application has been successfully installed, select “Open” [IMAGE#5] or simply click on the vMEyeV2 icon that was created [IMAGE #6] to begin configuring the application to access the IPcam-SD. Next, tap on the “Address Mode” when prompted as shown in IMAGE #7.

IMAGE #5

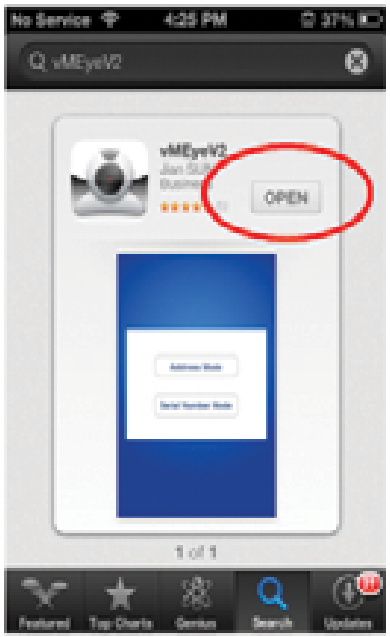


IMAGE #6

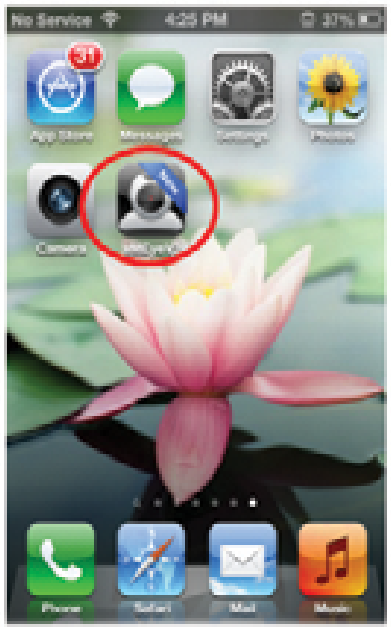


IMAGE #7

4. Tap on the “Device Management” icon [IMAGE #8] and then select “Add” located at the top right corner of the screen [IMAGE #9] to add the IPCam-SD camera to the list.

IMAGE #8

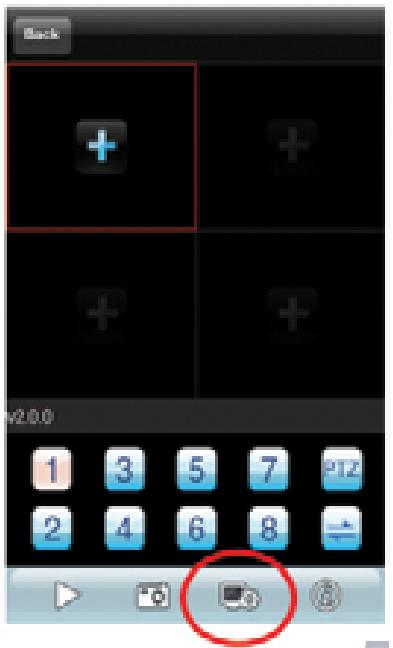
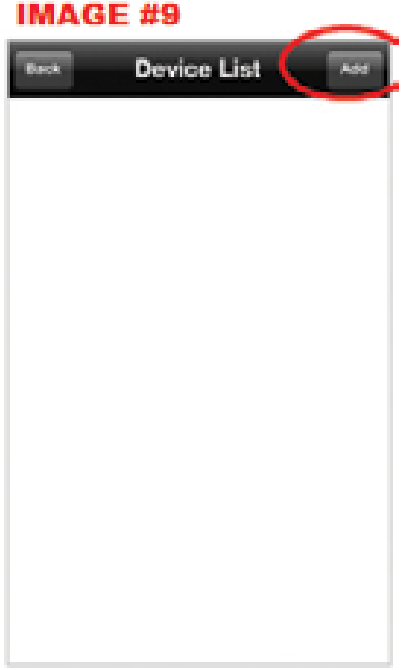


IMAGE #9



5. The “Device List” screen [IMAGE #10] consist of the following configuration options:

• DeviceName – the device name does not need to match any specific setting and is used solely to identify your camera from the applications Device List screen. For example, if you are using the app to remotely monitor 2 x IPcam-SD (one at home & one at work), the device name for the first camera could be “HOME” and the second camera could be “WORK”.

• Address – IP address of the IP camera or static IP address given by your ISP. This depends on whether you are accessing the IP camera from within your local area network or the wide area network (static IP address).

NOTE: DDNS users can simply input the domain name here.

• Port – the mobile port number assigned to the IP camera. The default port is 34568.

• User ID – the user name used to login to the camera, the default is admin.

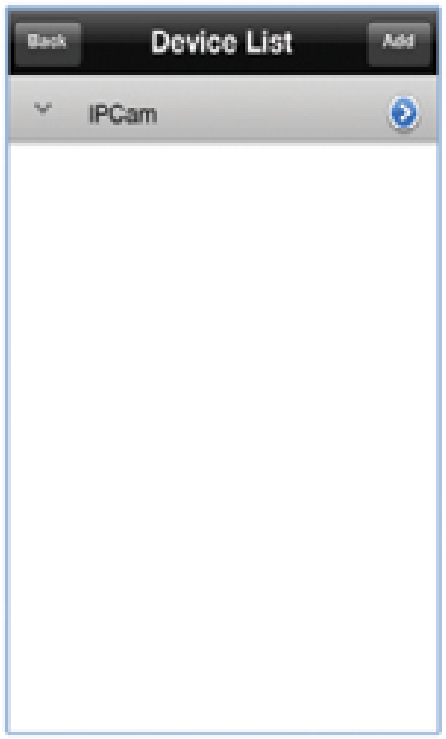
• Password – the password associated with the user name, the default is blank (no password).

• MaxChannel – change 16 to 1 so that it matches the number of channels available on the camera (1).

IMAGE #10

IMAGE #11

IMAGE #12



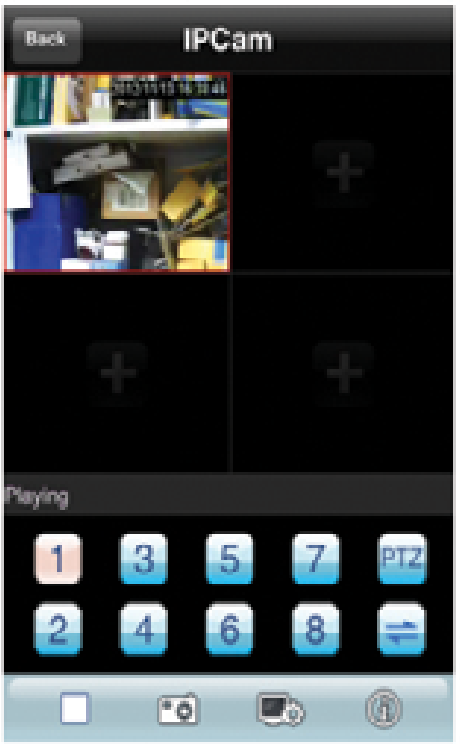
6. When finish, tap the “SAVE” button located at the top right corner of the screen [IMAGE #11]. The newly added device name will now displayed in the Device List as shown in IMAGE #12.

7. There are two ways to initiate the live view. First is to tap on Device Name from the Device List screen as shown in IMAGE #13 and then select channel 1 from the drop down [red arrow in IMAGE #13] or simply tap on channel #1 from the “Live View” screen as shown in IMAGE #14.

NOTE: To enlarge the live view screen double-tap on the live view image.

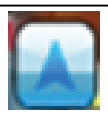
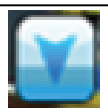
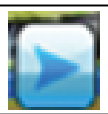
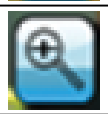
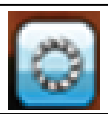
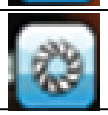
IMAGE #13

IMAGE #14



Buttons and Actions

BUTTON	NAME	ACTION
	Play/Stop	Starts and Stops the live view feed from the selected live view display box.
	Snapshot	Takes a snap shot of the current screen. *Images are saved in the “snapshot” folder of the root directory.
	Device Management	Opens the “Device List” page where you can add, edit or delete devices from the application.
	Information	Displays vMEyeV2 application features and contact info.
	Channel Select	Used to select which channel to display on the live view screen. *Only applies to devices that are equipped with more than one channel.

	Channel Group	Changes the “Channel Select” numeric values. Pressing the channel group button will change the values from 1-8 to 9-16. Pressing this option again will split the numeric values into groups of 4 which will then display the group in quad view as selected. *Only applies to devices that are equipped with more than one channel.
	PTZ Control	Opens and hides the 10 icon PTZ shortcut options.
	Tilt UP	Tilts the camera upward. *Only applies to cameras with PTZ capabilities.
	Tilt DOWN	Tilts the camera downward. *Only applies to cameras with PTZ capabilities.
	Pan LEFT	Pans the camera to the left. *Only applies to cameras with PTZ capabilities.
	Pan RIGHT	Pans the camera to the right. *Only applies to cameras with PTZ capabilities.
	Zoom IN	Zooms in. *Only applies to cameras with PTZ capabilities.
	Zoom OUT	Zooms out. *Only applies to cameras with PTZ capabilities.
	Focus adjustment	Used to focus the image after zooming in/out. *Only applies to cameras with PTZ capabilities.
	Focus adjustment	Used to focus the image after zooming in/out. *Only applies to cameras with PTZ capabilities.
	Aperture adjustment	Lets you adjust the light level. *Only applies to cameras with PTZ capabilities.
	Aperture adjustment	Lets you adjust the light level. *Only applies to cameras with PTZ capabilities.

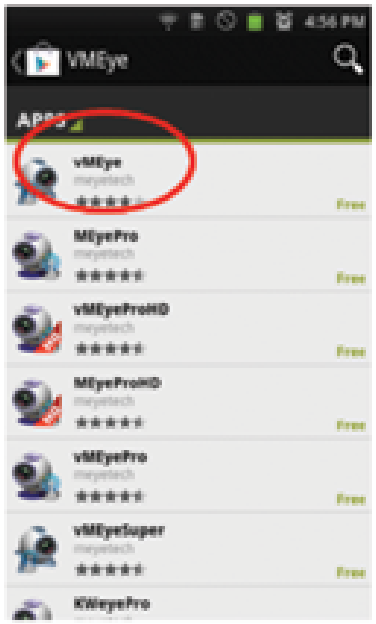
Smartphone Remote Access (Android)

1. Open the Play Store and search for “vMEye” as shown in IMAGE #1 and then select the free app from the list of apps found [IMAGE #2].

NOTE: Although the app is free, you still need to have a Google account in order to download and install the app.

IMAGE #1

IMAGE #2



2. Select the “Install” option from the app description screen [IMAGE #3] and then select the “Accept & Download” option as shown in IMAGE #4 to begin the download/installation process.

IMAGE #3

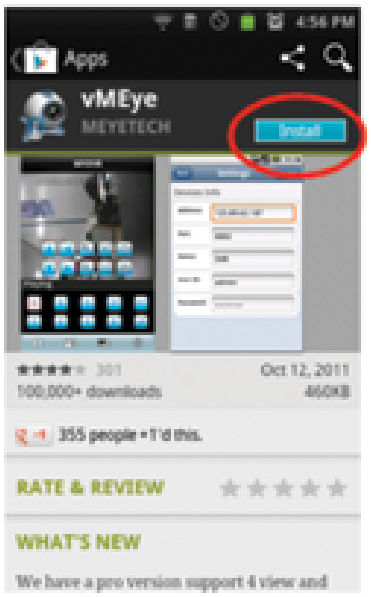
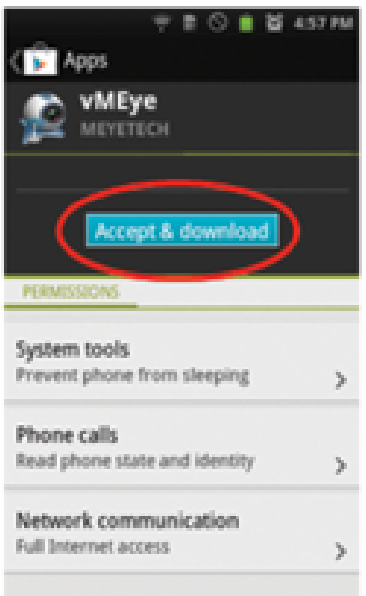


IMAGE #4



3. Once the application has been successfully installed, select “Open” [IMAGE#5] or simply click on the vMEye icon that was created [IMAGE #6] to begin configuring the application so that you can access your IPcam-SD.

IMAGE #5

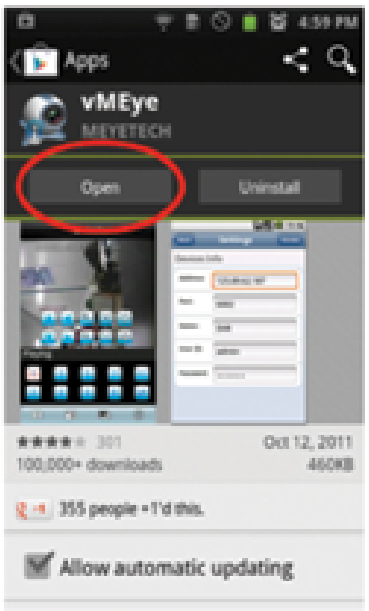
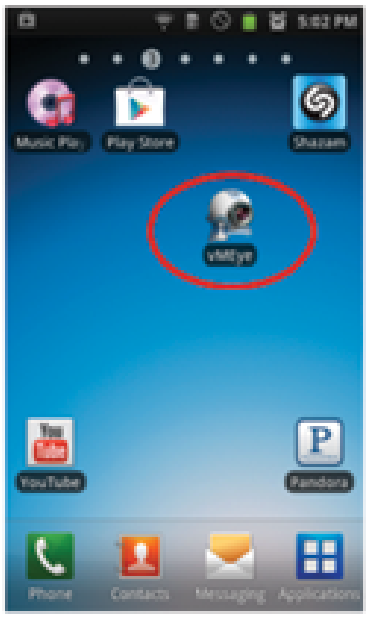


IMAGE #6



4. Select the “Device Management” icon [IMAGE #7] and then select “Add” located at the top right corner of the screen [IMAGE #8] to add your IPCamera to the list.

IMAGE #7

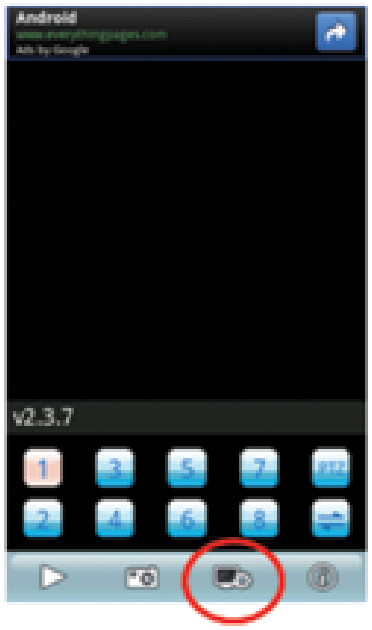
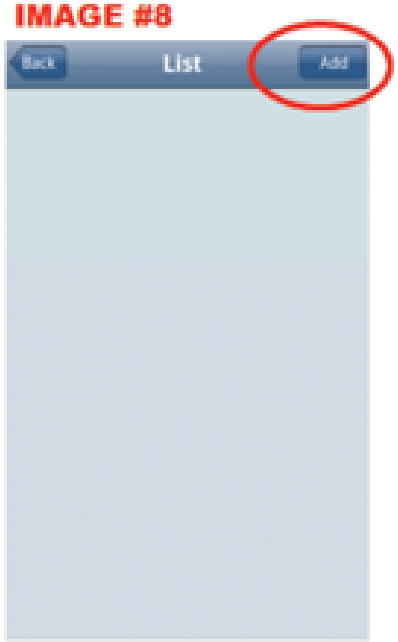


IMAGE #8



5. The ‘Settings” screen [IMAGE #9] consist of the following configuration options:

- DeviceName – the device name does not need to match any specific setting and is used solely to identify your camera from the applications Device List screen. For example, if you are using the app to remotely monitor 2 IPcam-SD’s (one at home & one at work) you can label the first one “HOME” and the second one “WORK”..
- Address – IP address of your camera or router depending on whether you are accessing your device from within your network (camera) or outside your network (Router).

NOTE: if using DDNS, input your domain name here.

- Port – the port number you assigned to the camera.
- User Name – the user name used to login to the camera.
- Password – the password associated with the user name
- Max Channel – change 16 to 1 so that it matches the number of channels available on the camera (1).

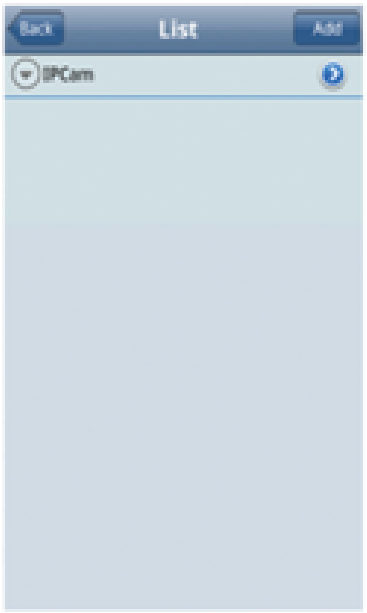
IMAGE #9

6. When you are done, select the “OK” button located on the bottom left corner of the screen [IMAGE #10] and your device will now be displayed in the Device List as shown in IMAGE #11.

3. Once the application has been successfully installed, select “Open” [IMAGE#5] or simply click on the vMEye icon that was created [IMAGE #6] to begin configuring the application so that you can access your IPcam-SD.

IMAGE #10

IMAGE #11



4. Select the “Device Management” icon [IMAGE #7] and then select “Add” located at the top right corner of the screen [IMAGE #8] to add your IPCamera to the list.

IMAGE #12

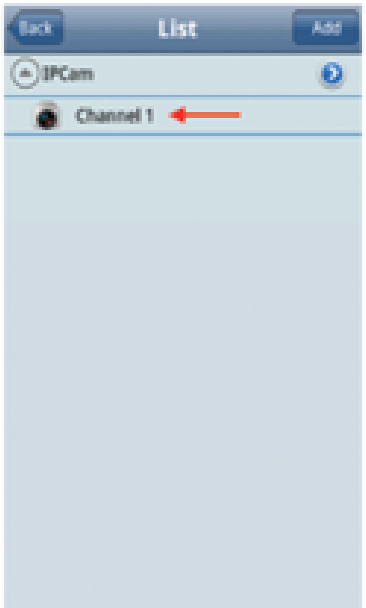
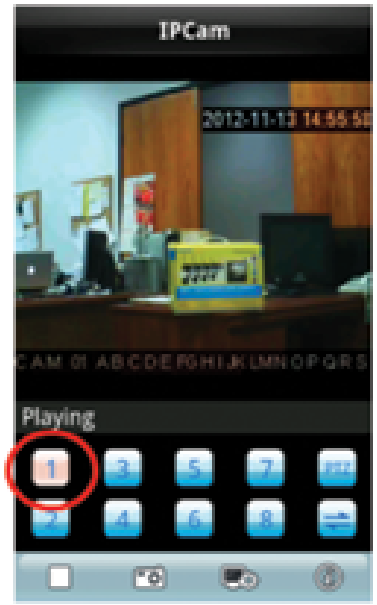
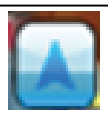
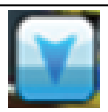
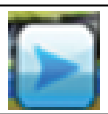
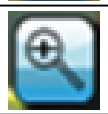
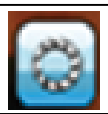
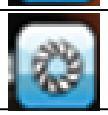


IMAGE #13



Buttons and Actions

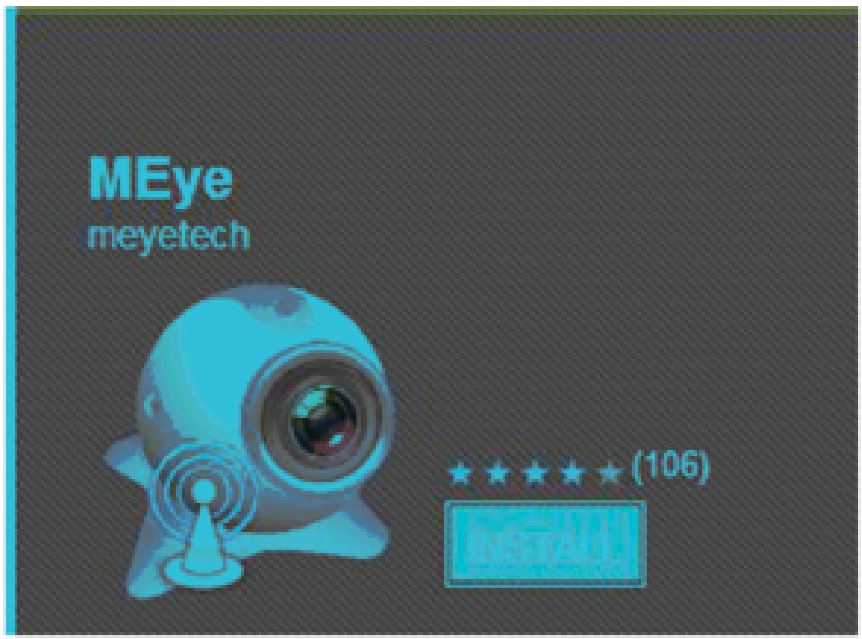
BUTTON	NAME	ACTION
	Play/Stop	Starts and Stops the live view feed from the selected live view display box.
	Snapshot	Takes a snap shot of the current screen. *Images are saved in the “snapshot” folder of the root directory.
	Device Management	Opens the “Device List” page where you can add, edit or delete devices from the application.
	Information	Displays vMEye application features and contact info.
	Channel Select	Used to select which channel to display on the live view screen. *Only applies to devices that are equipped with more than one channel.

	Channel Group	Changes the “Channel Select” numeric values. Pressing the channel group button will change the values from 1-8 to 9-16. Pressing this option again will split the numeric values into groups of 4 which will then display the group in quad view as selected. *Only applies to devices that are equipped with more than one channel.
	PTZ Control	Opens and hides the 10 icon PTZ shortcut options.
	Tilt UP	Tilts the camera upward. *Only applies to cameras with PTZ capabilities.
	Tilt DOWN	Tilts the camera downward. *Only applies to cameras with PTZ capabilities.
	Pan LEFT	Pans the camera to the left. *Only applies to cameras with PTZ capabilities.
	Pan RIGHT	Pans the camera to the right. *Only applies to cameras with PTZ capabilities.
	Zoom IN	Zooms in. *Only applies to cameras with PTZ capabilities.
	Zoom OUT	Zooms out. *Only applies to cameras with PTZ capabilities.
	Focus adjustment	Used to focus the image after zooming in/out. *Only applies to cameras with PTZ capabilities.
	Focus adjustment	Used to focus the image after zooming in/out. *Only applies to cameras with PTZ capabilities.
	Aperture adjustment	Lets you adjust the light level. *Only applies to cameras with PTZ capabilities.
	Aperture adjustment	Lets you adjust the light level. *Only applies to cameras with PTZ capabilities.

Smartphone Remote Access (BlackBerry)

1. Download VMeye from App World, or acquire the app from the CD. At App World, search for “VMEye” ,and then select the “VMeye” application from the list [IMAGE #1].

IMAGE #1



2. Then click “install”, the application will be automatically installed to BlackBerry[IMAGE #2]

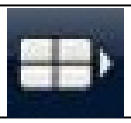
3. After the installation is completed, click “VMeye” icon in the main menu[IMAGE #3].

IMAGE #3

4. Users have to configure the setting before they can successfully remote access IPCAM-SD. [IMAGE #4]

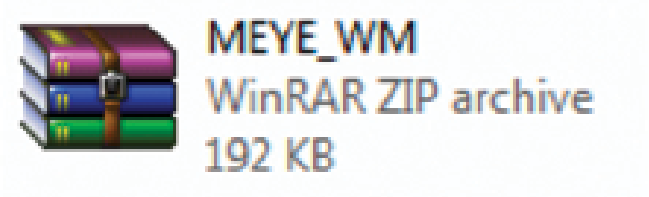
IMAGE #4

Title: The name of equipment, which can help users to identify different devices.
Address: IPCAM-SD IP address or DDNS.
Port: Enter the mobile port of IPCAM-SD. The default port is 34568.
User ID: the default is “admin”
Password: By default there is no password, so leave it blank.
Network type: Users can choose WiFi or 3G.

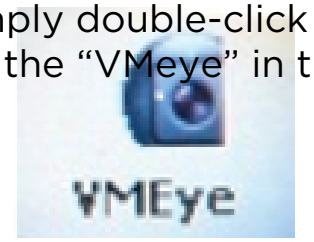
FUNCTION KEY	NAME	FUNCTION DESCRIPTION
	Play	The procedure to start broadcasting a video camera
	Snap pictures	To snap a picture document appearing in the camera and save in the folder.
	Setting	Enable users to edit camera IP address, port, use's name and password setting and change of equipment names and network type.
	Next Group	Select to the next group of gateway.
	About	Application information.
	Select channel	Enables to select a certain video of one gateway that broadcasts equipment to another.
	PTZ control	For PTZ control.
	Zoom control	Camera zoom in/zoom out.
	Focus	Change camera focus
	Aperture	Change aperture

Smartphone Remote Access (Windows Mobile)
1. Connect Windows Mobile phone to the computer. Make sure all the driver is installed properly for the Windows Mobile device.

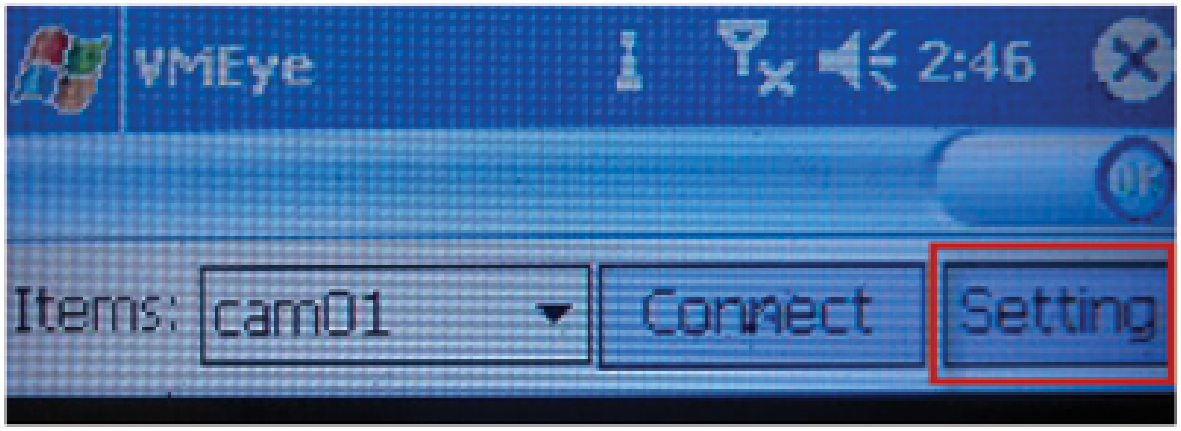
2. Insert the IPCam-SD software CD to your CD/DVR-ROM drive. In the software CD, look for “MEYE_WM.zip”. Copy and paste the “MEYE_VM” application from the CD provided to the Windows Mobile device directory (any folder in the directory).

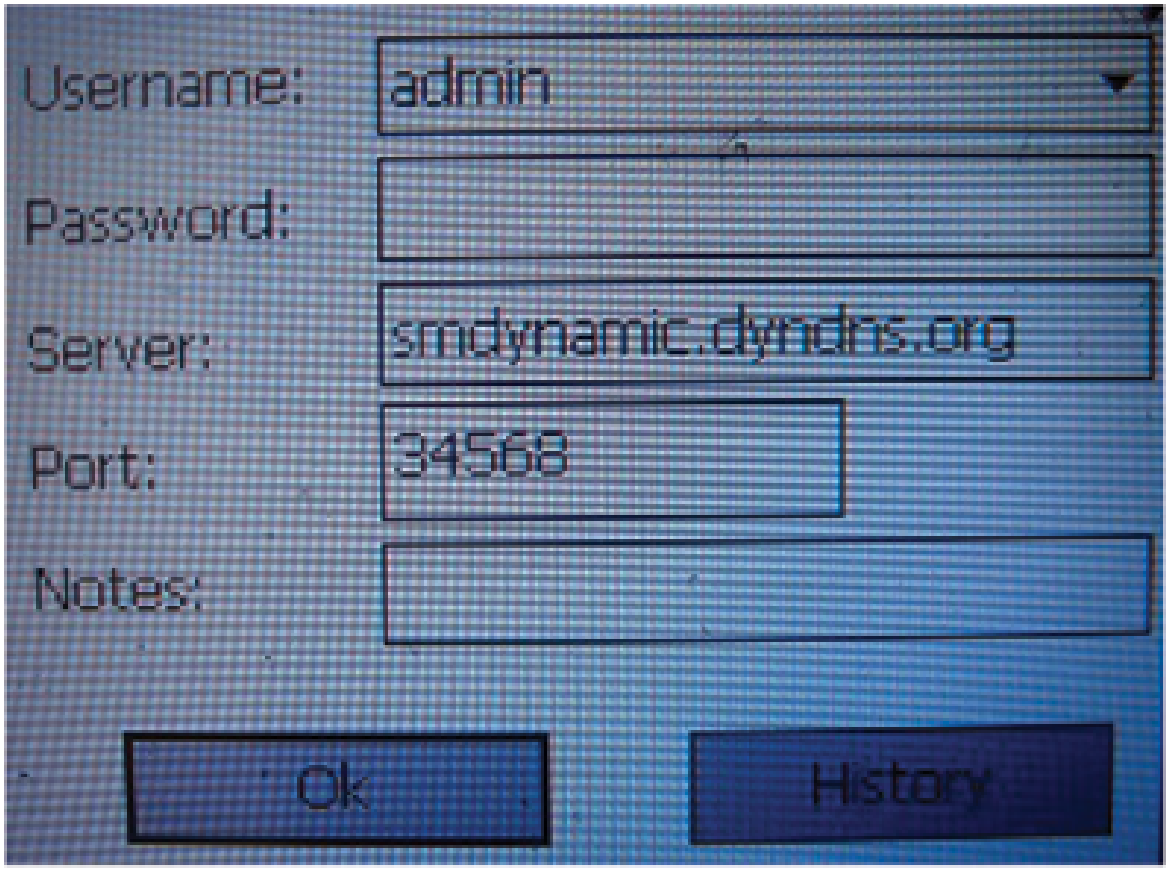


3 Next, disconnect the Windows Mobile from the computer. Locate the “MEYE_VM” file in the folder directory and simply double-click on the “MEYE_VM” file to install. After installation, double-click on the “VMeye” in the program files of the Windows Mobile device to start.



4 Click “Setting”, and then enter “Username”, “Password”, “Server”, “Port”, and then click “OK”.





Specifications

Video	Image Sensor	1/5” CMOS, color
	Video compression	H.264 high profile, BMP snapshot and JPG (email notification)
	Signal system	NTSC/PAL (default NTSC)
	Lens	4mm
	Min. Illumination	0.1 Lux (IR OFF), 0 Lux (IR ON)
	Frame rate	30fps NTSC (25fps PAL)
	Resolution	VGA (640x480), QVGA (320x240)
	Video adjustment	Brightness, contrast, and saturation
	Video bit rate	32 Kbps ~ 2.5 Mbps
	Pan & Tilt	Horizontal: 270°. Vertical: 120°
	Zoom	Portion picture enlargement
	Night vision	Up to 50ft (IR built-in; auto switch to B/W in dark)
Audio	Audio compression	G711
	Microphone	One built-in Mic. (For live audio monitoring and 2-way audio communication). Effective up to 5m (16ft)
	Audio output	One (connect to a speaker for 2-way audio)
	2-way audio	Yes (communication between local and remote)
Recording and Playback	Recording mode	Motion detection, manual, and schedule
	Storage	Record to local Micro SD (up to 32GB, not included);
		record to remote PC; video or snapshot
	VMD recording	1~120 minutes
	Pre-Alarm recording	1~30 seconds
	Backup	Remote back up to PC
	Playback	Playback via SD reader; real time remote playback; remotely download and playback
Alarm	Motion detection	VMD (video motion detection; software oriented)
	VMD sensitivity level	Highest, Higher, High, Medium, Low, Lower, or Lowest
	Input terminal	1 alarm input (for any wired alarm sensors)
	Output terminals	2 alarm outputs (for any wired alarm output devices like siren and spot light)
	Alarm action	Email photos; record photos to FTP; record video/photo to SD; triggers alarm output; alarm tour(camera touring to first preset or first IP camera and then to the second ...etc. when multiple IP cameras usage)

Network	Wired network	NIC 10/100 BaseTX Ethernet
	Wireless network	Wi-Fi 802.11 b/g/n
	IP mode	Dynamic IP address; static IP address
	Protocol	TCP/IP, HTTP, TCP, ICMP, UDP, ARP, IGMP, SMTP, FTP, DHCP, DNS, DDNS, NTP, UPNP, and RTSP. Unlimited number of users; up to 8 simultaneous login users
	Online users	Supports: iPhone/iPad/iPod Touch, Android, Windows, Symbian, and Blackberry.
	Mobile surveillance	Adapts to free Apps (free downloadable) of the compatible smartphones
	Internet viewing	Supports browsers: IE (PC), Safari (Mac/PC), Firefox(Mac/PC)
	Remote access and control	Yes
Software	CMS software	Central management software for recording, remote monitoring, remote access and control, search and playback. Manage up to 64 surveillance cameras
	User levels for CMS	Administrator, Normal, and Guest (viewing only)
	Split screens of CMS	Supports 1(full), 4(Quad), 9, 16, 25, 36, and 64 split screens (for multiple IP cameras)
	eMap	Supports JPEG or BMP format (Virtual map of camera location)
	Camera name	Up to 26 digits of characters/numbers
	Password protection	Yes
CPU and System	Operating system	Embedded Linux OS
	Micro processor	32Bit RISC embedded processor
	System requirement	Microsoft Win98 SE, ME, 2000, XP, Vista, or Windows 7(32/64-bit OS)
Others	Indoor/outdoor usage	Indoor
	Operating temperature	-10 ~ 50 °C (+14 ~ 122 °F)
	Humidity	95% RH
	Power	DC5V 2.0A
	Dimensions(LXWXH)	121 x 105 x 125mm (4.76”x4.13”x4.92”)
	Package dimensions	217 X 165 X 135mm
	Weight (net and gross)	1.46 lbs (product only without package); 2 lbs (with package)

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